OGSON fixtures

ARRI SkyPanel S30C



Manufacturer	**OGSON fixtures**
Type	**Effect light**
DMX modes	**44**
DMX footprint	**4, 7, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 24, 25, 26, 28,**
Beam angle	**104°**
Size (W × H × D)	**495 × 497 × 347 mm**
GDTF fixture type	**7DF4166A-0319-47C4-BFE0-EE...**

Controls

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

DMX modes

Mode 26 - LE HSI 8Bit	4 ch
Mode 28 - LE XY 8Bit	4 ch
Mode 2 - CCT 8Bit	7 ch
Mode 27- LE HSI 16Bit	7 ch
Mode 29 - LE XY 16Bit	7 ch
Mode 5- HSI 8Bit	7 ch
Mode 24 - LE CCT+RGBW 8Bit	9 ch
Mode 4 - RGBW 8Bit	9 ch
Mode 10 - HSI 16Bit	10 ch
Mode 20 - Source Match 8Bit	10 ch
Mode 3 - CCT+HSI 8Bit	10 ch
Mode 7 - CCT 16Bit	10 ch
Mode 18 - XY 8Bit	11 ch
Mode 1 CCT+RGBW 8Bit	12 ch
Mode 21 - Source Match 16Bit	12 ch
Mode 22 - Effects 8Bit	13 ch
Mode 9 - RGBW 16Bit	14 ch
Mode 2 - CCT ECC 8Bit	15 ch
Mode 5- HSI ECC 8Bit	15 ch
Mode 8 - CCT+HSI 16Bit	16 ch
Mode 16 - Gels 8Bit	17 ch
Mode 19 - XY 16Bit	17 ch
Mode 25 - LE CCT+RGBW 16Bit	17 ch
Mode 4 - RGBW ECC 8Bit	17 ch
Mode 20 - Source Match ECC 8Bit	18 ch
Mode 3 - CCT+HSI ECC 8Bit	18 ch
Mode 17 - Gels 16Bit	19 ch

Mode 18 - XY ECC 8Bit	19 ch
Mode 1 CCT+RGBW ECC 8Bit	20 ch
Mode 6 - CCT+RGBW 16Bit	20 ch
Mode 22 - Effects ECC 8Bit	21 ch
Mode 23 - Effects 16Bit	21 ch
Mode 30 - Ultimate 8Bit	24 ch
Mode 16 - Gels ECC 8Bit	25 ch
Mode 10 - HSI ECC 16Bit	26 ch
Mode 7 - CCT ECC 16Bit	26 ch
Mode 21 - Source Match ECC 16Bit	28 ch
Mode 9 - RGBW ECC 16Bit	30 ch
Mode 30 - Ultimate ECC 8Bit	32 ch
Mode 8 - CCT+HSI ECC 16Bit	32 ch
Mode 19 - XY ECC 16Bit	33 ch
Mode 17 - Gels ECC 16Bit	35 ch
Mode 6 - CCT+RGBW ECC 16Bit	36 ch
Mode 23 - Effects ECC 16Bit	37 ch

Mode 26 - LE HSI 8Bit

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
3	H SBSaturation	0	
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 28 - LE XY 8Bit

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C IEX	127	
3	C IEY	127	
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 2 - CCT 8Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 2 - CCT 8Bit (continued)

Ch	Function	Default	DMX values
5	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
7	No Feature	0	

Mode 27- LE HSI 16Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 29 - LE XY 16Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	127	
4	C IEX Fine	0	Fine byte of C IEX
5	C IEY	127	

Mode 29 - LE XY 16Bit (continued)

Ch	Function	Default	DMX values
6	C IEY Fine	0	Fine byte of C IEY
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 5- HSI 8Bit

7 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
3	H SBSaturation	0	
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
5	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
7	No Feature	0	

Mode 24 - LE CCT+RGBW 8Bit

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

Mode 24 - LE CCT+RGBW 8Bit (continued)

Ch	Function	Default	DMX values
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Crossfade	0	0–254 White 255–255 Color
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 4 - RGBW 8Bit

9 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	255	
6	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 4 - RGBW 8Bit (continued)

Ch	Function	Default	DMX values
7	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
8	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
9	No Feature	0	

Mode 10 - HSI 16Bit

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 10 - HSI 16Bit (continued)

Ch	Function	Default	DMX values
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	

Mode 20 - Source Match 8Bit

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Category	0	0–74 Incand 75–124 Fluor 125–174 Discharge 175–254 Other 255–255 No Feature
3	Source	0	0–2 Tungsten 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Wm Antique Bulb 15–17 Xmas Lites 18–20 Night Light 21–23 IR Heat Lamp 24–26 Grow Light 27–29 Reserved 30–32 Amber Caution 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–56 Pink Glow Stick 57–59 Violet Glow Stick 60–255 Reserved
4	Color XF	0	0–254 Layer 1 255–255 Layer 2

Mode 20 - Source Match 8Bit (continued)

Ch	Function	Default	DMX values
5	Reserved 5	0	
6	Reserved 6	0	
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	

Mode 3 - CCT+HSI 8Bit

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Crossfade	0	0–254 White 255–255 Color
5	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue

Mode 3 - CCT+HSI 8Bit (continued)

Ch	Function	Default	DMX values
6	H SBSaturation	0	
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	

Mode 7 - CCT 16Bit

10 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint

Mode 7 - CCT 16Bit (continued)

Ch	Function	Default	DMX values
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	

Mode 18 - XY 8Bit

11 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C IEX	135	
3	C IEY	127	
4	Color XF	0	0–254 Layer 1 255–255 Layer 2
5	Reserved 5	0	
6	Reserved 6	0	
7	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
8	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 18 - XY 8Bit (continued)

Ch	Function	Default	DMX values
9	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
10	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
11	No Feature	0	

Mode 1 CCT+RGBW 8Bit

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Crossfade	0	0–254 White 255–255 Color
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 1 CCT+RGBW 8Bit (continued)

Ch	Function	Default	DMX values
10	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
11	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
12	No Feature	0	

Mode 21 - Source Match 16Bit

12 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Category	0	0–74 Incand 75–124 Fluor 125–174 Discharge 175–254 Other 255–255 No Feature
4	Source	0	0–2 Tungsten 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Wm Antique Bulb 15–17 Xmas Lites 18–20 Night Light 21–23 IR Heat Lamp 24–26 Grow Light 27–29 Reserved 30–32 Amber Caution 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–56 Pink Glow Stick 57–59 Violet Glow Stick 60–255 Reserved

Mode 21 - Source Match 16Bit (continued)

Ch	Function	Default	DMX values
5	Color XF	0	0–254 Layer 1 255–255 Layer 2
6	Color XF Fine	0	Fine byte of Color XF
7	Reserved 7	0	
8	Reserved 8	0	
9	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
10	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
11	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
12	No Feature	0	

Mode 22 - Effects 8Bit

13 channels

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

Mode 22 - Effects 8Bit (continued)

Ch	Function	Default	DMX values
2	Mode	0	0–9 No Effect 10–19 Party 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–59 Color Chase 60–69 Cop Car 70–79 Fire 80–89 Fireworks 90–99 Light Strobe 100–109 Lightning 110–119 Paparazzi 120–129 Pulsing 130–139 Television 140–149 Explosion 150–159 Flour Flicker 160–169 Process 170–179 Welding 180–255 Empty Channel Set
3	Color Wheel	0	0–0 CCT Range 1–27 0 to 100% SAT 28–31 Blue/Red 32–55 6 Colors 56–63 Red/Wht 64–83 9 Colors 84–84 Blu/Red/Wht 85–95 1700k > 2000k 96–111 12 Colors 112–127 Blue/Amb 128–139 15 Colors 140–159 Blue/Red/Amb 160–167 18 Colors 168–169 Red/Amber 170–170 2000k > 2300k 171–191 2600 > 3000k 192–195 21 Colors 196–223 Amber 224–254 24 Colors 255–255 Max Offfset
4	Color Wheel 2	0	0–0 Loop 60s 1–31 60s > 1s 32–63 Double Flash 64–95 Quint All Flash 96–127 Quint Flash 128–159 Default > +2x 160–191 Cycle All 192–254 Reserved 255–255 1s
5	Color3	0	0–0 No Feature 1–10 0 >> Full Sat 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump tp Sync

Mode 22 - Effects 8Bit (continued)

Ch	Function	Default	DMX values
6	Color4	0	0–10 No Sync 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
7	Color5	0	0–254 Stb Hue 0 >>360 255–255 Bump to Sync
8	Color6	0	0–0 No Sat 1–254 0 >> 100% Sat 255–255 Full Sat
9	Color7	0	0–254 No Sat 255–255 Full Sat
10	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
11	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
12	No Feature	0	
13	No Feature Fine	0	Fine byte of No Feature

Mode 9 - RGBW 16Bit

14 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
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	

Mode 9 - RGBW 16Bit (continued)

Ch	Function	Default	DMX values
8	Blue Fine	255	Fine byte of Blue
9	White	255	
10	White Fine	255	Fine byte of White
11	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
12	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
13	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
14	No Feature	0	

Mode 2 - CCT ECC 8Bit

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G

Mode 2 - CCT ECC 8Bit (continued)

Ch	Function	Default	DMX values
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
5	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
7	No Feature	0	
8	Warm Cool	137	
9	Sat Desat	137	
10	Color RGBRed	137	
11	Color RGBGreen	137	
12	Color RGBBlue	137	
13	Color RGBCyan	137	
14	Color RGBMagenta	137	
15	Color RGBYellow	137	

Mode 5- HSI ECC 8Bit

15 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
3	H SBSaturation	0	

Mode 5- HSI ECC 8Bit (continued)

Ch	Function	Default	DMX values
4	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
5	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
6	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
7	No Feature	0	
8	Warm Cool	137	
9	Sat Desat	137	
10	Color RGBRed	137	
11	Color RGBGreen	137	
12	Color RGBBlue	137	
13	Color RGBCyan	137	
14	Color RGBMagenta	137	
15	Color RGBYellow	137	

Mode 8 - CCT+HSI 16Bit

16 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC

Mode 8 - CCT+HSI 16Bit (continued)

Ch	Function	Default	DMX values
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	0	
12	H SBSaturation Fine	0	Fine byte of H SBSaturation
13	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
14	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
15	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
16	No Feature	0	

Mode 16 - Gels 8Bit

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	0–128 3200 129–255 5600

Mode 16 - Gels 8Bit (continued)

Ch	Function	Default	DMX values
3	Color RGBQuality	0	0–127 Best 128–254 Brightest 255–255 No Color
4	Brand	0	0–254 Rosco 255–255 Lee
5	Category	0	0–74 Color Correction 75–124 Cal Color 125–174 Storaro 175–254 Cinelux 255–255 Reserved
6	Gel	0	
7	Color XF	0	0–254 Layer 1 255–255 Layer 2
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
14	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
15	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
16	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
17	No Feature	0	

Mode 19 - XY 16Bit

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	135	
4	C IEX Fine	98	Fine byte of C IEX
5	C IEY	127	
6	C IEY Fine	172	Fine byte of C IEY
7	Color XF	0	0–254 Layer 1 255–255 Layer 2
8	Color XF Fine	0	Fine byte of Color XF
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
14	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
15	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
16	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
17	No Feature	0	

Mode 25 - LE CCT+RGBW 16Bit

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	Red	255	
10	Red Fine	0	Fine byte of Red
11	Green	255	
12	Green Fine	0	Fine byte of Green
13	Blue	255	
14	Blue Fine	0	Fine byte of Blue
15	White	255	
16	White Fine	0	Fine byte of White
17	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 4 - RGBW ECC 8Bit

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Red	255	
3	Green	255	
4	Blue	255	
5	White	255	
6	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 4 - RGBW ECC 8Bit (continued)

Ch	Function	Default	DMX values
7	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
8	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
9	No Feature	0	
10	Warm Cool	137	
11	Sat Desat	137	
12	Color RGBRed	137	
13	Color RGBGreen	137	
14	Color RGBBlue	137	
15	Color RGBCyan	137	
16	Color RGBMagenta	137	
17	Color RGBYellow	137	

Mode 20 - Source Match ECC 8Bit

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Category	0	0–74 Incand 75–124 Fluor 125–174 Discharge 175–254 Other 255–255 No Feature

Mode 20 - Source Match ECC 8Bit (continued)

Ch	Function	Default	DMX values
3	Source	0	0–2 Tungsten 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Wm Antique Bulb 15–17 Xmas Lites 18–20 Night Light 21–23 IR Heat Lamp 24–26 Grow Light 27–29 Reserved 30–32 Amber Caution 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–56 Pink Glow Stick 57–59 Violet Glow Stick 60–255 Reserved
4	Color XF	0	0–254 Layer 1 255–255 Layer 2
5	Reserved 5	0	
6	Reserved 6	0	
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	
11	Warm Cool	137	
12	Sat Desat	137	

Mode 20 - Source Match ECC 8Bit (continued)

Ch	Function	Default	DMX values
13	Color RGBRed	137	
14	Color RGBGreen	137	
15	Color RGBBlue	137	
16	Color RGBCyan	137	
17	Color RGBMagenta	137	
18	Color RGBYellow	137	

Mode 3 - CCT+HSI ECC 8Bit

18 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Crossfade	0	0–254 White 255–255 Color
5	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
6	H SBSaturation	0	
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 3 - CCT+HSI ECC 8Bit (continued)

Ch	Function	Default	DMX values
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	
11	Warm Cool	137	
12	Sat Desat	137	
13	Color RGBRed	137	
14	Color RGBGreen	137	
15	Color RGBBlue	137	
16	Color RGBCyan	137	
17	Color RGBMagenta	137	
18	Color RGBYellow	137	

Mode 17 - Gels 16Bit

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–254 3200 255–255 5600
4	Color RGBQuality	0	0–126 Best 127–254 Brightest 255–255 No Color
5	Brand	0	0–254 Rosco 255–255 Lee

Mode 17 - Gels 16Bit (continued)

Ch	Function	Default	DMX values
6	Category	0	0–53 Color Correction 54–74 Color Filters 75–104 Cal Color 105–124 600 Series 125–155 Storaro 156–174 Cosmetic 175–206 Cinelux 207–254 700 Series 255–255 Reserved
7	Gel	0	
8	Color XF	0	0–254 Layer 1 255–255 Layer 2
9	Color XF Fine	0	Fine byte of Color XF
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
16	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
17	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
18	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
19	No Feature	0	

Mode 18 - XY ECC 8Bit

19 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C IEX	135	
3	C IEY	127	
4	Color XF	0	0–254 Layer 1 255–255 Layer 2
5	Reserved 5	0	
6	Reserved 6	0	
7	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
8	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
9	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
10	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
11	No Feature	0	
12	Warm Cool	137	
13	Sat Desat	137	
14	Color RGBRed	137	
15	Color RGBGreen	137	
16	Color RGBBlue	137	
17	Color RGBCyan	137	
18	Color RGBMagenta	137	
19	Color RGBYellow	137	

Mode 1 CCT+RGBW ECC 8Bit

20 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
3	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
4	Crossfade	0	0–254 White 255–255 Color
5	Red	255	
6	Green	255	
7	Blue	255	
8	White	255	
9	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
10	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
11	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
12	No Feature	0	
13	Warm Cool	137	
14	Sat Desat	137	
15	Color RGBRed	137	
16	Color RGBGreen	137	

Mode 1 CCT+RGBW ECC 8Bit (continued)

Ch	Function	Default	DMX values
17	Color RGBBlue	137	
18	Color RGBCyan	137	
19	Color RGBMagenta	137	
20	Color RGBYellow	137	

Mode 6 - CCT+RGBW 16Bit

20 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 6 - CCT+RGBW 16Bit (continued)

Ch	Function	Default	DMX values
18	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
19	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
20	No Feature	0	

Mode 22 - Effects ECC 8Bit

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Mode	0	0–9 No Effect 10–19 Party 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–59 Color Chase 60–69 Cop Car 70–79 Fire 80–89 Fireworks 90–99 Light Strobe 100–109 Lightning 110–119 Paparazzi 120–129 Pulsing 130–139 Television 140–149 Explosion 150–159 Flour Flicker 160–169 Process 170–179 Welding 180–255 Empty Channel Set

Mode 22 - Effects ECC 8Bit (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–0 CCT Range 1–27 0 to 100% SAT 28–31 Blue/Red 32–55 6 Colors 56–63 Red/Wht 64–83 9 Colors 84–84 Blu/Red/Wht 85–95 1700k > 2000k 96–111 12 Colors 112–127 Blue/Amb 128–139 15 Colors 140–159 Blue/Red/Amb 160–167 18 Colors 168–169 Red/Amber 170–170 2000k > 2300k 171–191 2600 > 3000k 192–195 21 Colors 196–223 Amber 224–254 24 Colors 255–255 Max Offfset
4	Color Wheel 2	0	0–0 Loop 60s 1–31 60s > 1s 32–63 Double Flash 64–95 Quint All Flash 96–127 Quint Flash 128–159 Default > +2x 160–191 Cycle All 192–254 Reserved 255–255 1s
5	Color3	0	0–0 No Feature 1–10 0 >> Full Sat 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump tp Sync
6	Color4	0	0–10 No Sync 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
7	Color5	0	0–254 Stb Hue 0 >>360 255–255 Bump to Sync
8	Color6	0	0–0 No Sat 1–254 0 >> 100% Sat 255–255 Full Sat
9	Color7	0	0–254 No Sat 255–255 Full Sat
10	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 22 - Effects ECC 8Bit (continued)

Ch	Function	Default	DMX values
11	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
12	No Feature	0	
13	No Feature Fine	0	Fine byte of No Feature
14	Warm Cool	137	
15	Sat Desat	137	
16	Color RGBRed	137	
17	Color RGBGreen	137	
18	Color RGBBlue	137	
19	Color RGBCyan	137	
20	Color RGBMagenta	137	
21	Color RGBYellow	137	

Mode 23 - Effects 16Bit

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Mode	0	0–9 No Effect 10–19 Party 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–59 Color Chase 60–69 Cop Car 70–79 Fire 80–89 Fireworks 90–99 Light Strobe 100–109 Lightning 110–119 Paparazzi 120–129 Pulsing 130–139 Television 140–149 Explosion 150–159 Flour Flicker 160–169 Process 170–179 Welding 180–255 Empty Channel Set

Mode 23 - Effects 16Bit (continued)

Ch	Function	Default	DMX values
4	Color Wheel	0	0–0 CCT Range 1–4 1 > 25/fps 5–26 1 >> 50 27–31 Blue/Red 32–54 6 Colors 55–63 Red/Wht 64–82 9 Colors 83–83 Blu/Red/Wht 84–84 2200 > 2600k 85–95 1700k > 2000k 96–110 12 Colors 111–127 Blue/Amb 128–138 15 Colors 139–159 Blue/Red/Amb 160–166 18 Colors 167–169 Red/Amber 170–170 2000k > 2300k 171–191 6500 >> 10000k 192–194 21 Colors 195–222 Amber 223–223 Red 224–250 24 Colors 251–254 Max Offffset 255–255 Fastest
5	Color Wheel Fine	0	Fine byte of Color Wheel
6	Color Wheel 2	0	0–0 Loop 60s 1–30 0 > 120/Min 31–62 Double Flash 63–94 Quint All Flash 95–127 Quint Flash 128–158 Default > +2x 159–190 Cycle All 191–254 Reserved 255–255 1s
7	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2
8	Color3	0	0–0 No Feature 1–10 2800k >> 10000k 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump tp Sync
9	Color3 Fine	0	Fine byte of Color3
10	Color4	0	0–10 No Sync 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
11	Color4 Fine	0	Fine byte of Color4
12	Color5	0	0–254 Stb Hue 0 >>360 255–255 Bump to Sync
13	Color5 Fine	0	Fine byte of Color5
14	Color6	0	0–0 No Sat 1–254 0 >> 100% Sat 255–255 Full Sat
15	Color6 Fine	0	Fine byte of Color6

Mode 23 - Effects 16Bit (continued)

Ch	Function	Default	DMX values
16	Color7	0	0–0 No Sat 1–254 0 >> 100% 255–255 Full Sat
17	Color7 Fine	0	Fine byte of Color7
18	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
19	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
20	No Feature	0	
21	No Feature Fine	0	Fine byte of No Feature

Mode 30 - Ultimate 8Bit

24 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Mode	0	0–9 CCT/Tint 10–19 HSI 20–29 RGBW 30–39 GEL Mode 40–49 Source Matching 50–59 CIE X Y 60–69 Effects 70–255 No Feature

Mode 30 - Ultimate 8Bit (continued)

Ch	Function	Default	DMX values
3	Color Wheel	0	0–9 2800k 10–13 Party 14–19 3200k 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–50 Color Chase 51–59 Fluorescent 60–69 4500k 70–79 Fire 80–84 Fireworks 85–89 120 deg (Green) 90–98 Strobe 99–99 5600k 100–101 Lightning 102–109 Discharge 110–119 Paparazzi 120–128 Pulsing 129–129 5600k 130–139 Television 140–148 Explosion 149–149 7000k 150–152 Flourescent Flicker 153–159 Other 160–169 Process 170–179 240 deg (Blue) 180–254 Reserved 255–255 10000k

Mode 30 - Ultimate 8Bit (continued)

Ch	Function	Default	DMX values
4	Color Wheel 2	0	0–0 No Effect 1–2 0 > Full Sat 3–5 Incandescent 6–8 Halogen 9–10 Antique 11–11 Full Minus G 12–14 Wm Antique 15–17 Xmas Lights 18–20 Night Light 21–23 99% < 1% Minus G 24–26 Grow Light 27–27 Reserved 28–29 Blue+Red 30–31 Amber Caution 32–32 6 Colors 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–55 Pink Glow Stick 56–56 Blue+White 57–59 Violet Glow Stick 60–63 Reserved 64–83 9 Colors 84–84 Blue+Red+White 85–95 Brightest 96–111 12 Colors 112–119 Blue+Amber 120–127 Neutral 128–139 15 Colors 140–145 Blue+Red+Amber 146–159 1% > 99% Plus G 160–167 18 Colors 168–170 Red+Amber 171–191 No Color 192–195 21 Colors 196–223 Amber 224–244 24 Colors 245–254 Full Plus G 255–255 Max
5	Color3	0	0–0 Min 1–13 >> 14–31 3200k 32–63 Double Flash 64–95 Quint All 96–98 Quint Flash 99–99 5600k 100–127 Rosco 128–128 Default 129–159 2x <Fast 160–199 Cycle All 200–253 Lee 254–254 Fastest 255–255 Max

Mode 30 - Ultimate 8Bit (continued)

Ch	Function	Default	DMX values
6	Color4	0	0–0 Min 1–10 0 >> 100% Sat 11–13 Full Minus G 14–20 3200k 21–50 99% >> 1% Plus G 51–98 CalColor 99–101 5600k 102–119 Storaro 120–145 Neutral 146–152 1% >> 99% Plus G 153–203 Cinelux 204–244 NA 245–254 Full Plus G 255–255 Max
7	Color5	0	
8	Color6	0	0–10 No Effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
9	Color7	0	
10	Color8	0	
11	Color XF	0	0–254 Layer 1 255–255 Layer 2
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 30 - Ultimate 8Bit (continued)

Ch	Function	Default	DMX values
22	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
23	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
24	No Feature	0	

Mode 16 - Gels ECC 8Bit

25 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	0–128 3200 129–255 5600
3	Color RGBQuality	0	0–127 Best 128–254 Brightest 255–255 No Color
4	Brand	0	0–254 Rosco 255–255 Lee
5	Category	0	0–74 Color Correction 75–124 Cal Color 125–174 Storaro 175–254 Cinelux 255–255 Reserved
6	Gel	0	
7	Color XF	0	0–254 Layer 1 255–255 Layer 2
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point

Mode 16 - Gels ECC 8Bit (continued)

Ch	Function	Default	DMX values
14	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
15	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
16	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
17	No Feature	0	
18	Warm Cool	137	
19	Sat Desat	137	
20	Color RGBRed	137	
21	Color RGBGreen	137	
22	Color RGBBlue	137	
23	Color RGBCyan	137	
24	Color RGBMagenta	137	
25	Color RGBYellow	137	

Mode 10 - HSI ECC 16Bit

26 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
4	H SBHue Fine	0	Fine byte of H SBHue
5	H SBSaturation	0	
6	H SBSaturation Fine	0	Fine byte of H SBSaturation

Mode 10 - HSI ECC 16Bit (continued)

Ch	Function	Default	DMX values
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	
11	Warm Cool	136	
12	Warm Cool Fine	184	Fine byte of Warm Cool
13	Sat Desat	136	
14	Sat Desat Fine	184	Fine byte of Sat Desat
15	Color RGBRed	136	
16	Color RGBRed Fine	184	Fine byte of Color RGBRed
17	Color RGBGreen	136	
18	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
19	Color RGBBlue	136	
20	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
21	Color RGBCyan	136	
22	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
23	Color RGBMagenta	136	
24	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
25	Color RGBYellow	136	
26	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 7 - CCT ECC 16Bit

26 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open

Mode 7 - CCT ECC 16Bit (continued)

Ch	Function	Default	DMX values
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint
7	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
8	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
9	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
10	No Feature	0	
11	Warm Cool	136	
12	Warm Cool Fine	184	Fine byte of Warm Cool
13	Sat Desat	136	
14	Sat Desat Fine	184	Fine byte of Sat Desat
15	Color RGBRed	136	
16	Color RGBRed Fine	184	Fine byte of Color RGBRed
17	Color RGBGreen	136	
18	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
19	Color RGBBlue	136	

Mode 7 - CCT ECC 16Bit (continued)

Ch	Function	Default	DMX values
20	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
21	Color RGBCyan	136	
22	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
23	Color RGBMagenta	136	
24	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
25	Color RGBYellow	136	
26	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 21 - Source Match ECC 16Bit

28 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Category	0	0–74 Incand 75–124 Fluor 125–174 Discharge 175–254 Other 255–255 No Feature
4	Source	0	0–2 Tungsten 3–5 Incandescent 6–8 Halogen 9–11 Antique Bulb 12–14 Wm Antique Bulb 15–17 Xmas Lites 18–20 Night Light 21–23 IR Heat Lamp 24–26 Grow Light 27–29 Reserved 30–32 Amber Caution 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–56 Pink Glow Stick 57–59 Violet Glow Stick 60–255 Reserved
5	Color XF	0	0–254 Layer 1 255–255 Layer 2
6	Color XF Fine	0	Fine byte of Color XF
7	Reserved 7	0	
8	Reserved 8	0	
9	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 21 - Source Match ECC 16Bit (continued)

Ch	Function	Default	DMX values
10	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
11	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
12	No Feature	0	
13	Warm Cool	136	
14	Warm Cool Fine	184	Fine byte of Warm Cool
15	Sat Desat	136	
16	Sat Desat Fine	184	Fine byte of Sat Desat
17	Color RGBRed	136	
18	Color RGBRed Fine	184	Fine byte of Color RGBRed
19	Color RGBGreen	136	
20	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
21	Color RGBBlue	136	
22	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
23	Color RGBCyan	136	
24	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
25	Color RGBMagenta	136	
26	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
27	Color RGBYellow	136	
28	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 9 - RGBW ECC 16Bit

30 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
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

Mode 9 - RGBW ECC 16Bit (continued)

Ch	Function	Default	DMX values
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	White	255	
10	White Fine	255	Fine byte of White
11	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
12	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
13	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
14	No Feature	0	
15	Warm Cool	136	
16	Warm Cool Fine	184	Fine byte of Warm Cool
17	Sat Desat	136	
18	Sat Desat Fine	184	Fine byte of Sat Desat
19	Color RGBRed	136	
20	Color RGBRed Fine	184	Fine byte of Color RGBRed
21	Color RGBGreen	136	
22	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
23	Color RGBBlue	136	
24	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
25	Color RGBCyan	136	
26	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
27	Color RGBMagenta	136	
28	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
29	Color RGBYellow	136	
30	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 30 - Ultimate ECC 8Bit

32 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Mode	0	0–9 CCT/Tint 10–19 HSI 20–29 RGBW 30–39 GEL Mode 40–49 Source Matching 50–59 CIE X Y 60–69 Effects 70–255 No Feature
3	Color Wheel	0	0–9 2800k 10–13 Party 14–19 3200k 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–50 Color Chase 51–59 Fluorescent 60–69 4500k 70–79 Fire 80–84 Fireworks 85–89 120 deg (Green) 90–98 Strobe 99–99 5600k 100–101 Lightning 102–109 Discharge 110–119 Paparazzi 120–128 Pulsing 129–129 5600k 130–139 Television 140–148 Explosion 149–149 7000k 150–152 Flourescent Flicker 153–159 Other 160–169 Process 170–179 240 deg (Blue) 180–254 Reserved 255–255 10000k

Mode 30 - Ultimate ECC 8Bit (continued)

Ch	Function	Default	DMX values
4	Color Wheel 2	0	0–0 No Effect 1–2 0 > Full Sat 3–5 Incandescent 6–8 Halogen 9–10 Antique 11–11 Full Minus G 12–14 Wm Antique 15–17 Xmas Lights 18–20 Night Light 21–23 99% < 1% Minus G 24–26 Grow Light 27–27 Reserved 28–29 Blue+Red 30–31 Amber Caution 32–32 6 Colors 33–35 Green Traffic Light 36–38 Yellow Traffic Light 39–41 Red Traffic Light 42–44 Blue Glow Stick 45–47 Green Glow Stick 48–50 Red Glow Stick 51–53 Yellow Glow Stick 54–55 Pink Glow Stick 56–56 Blue+White 57–59 Violet Glow Stick 60–63 Reserved 64–83 9 Colors 84–84 Blue+Red+White 85–95 Brightest 96–111 12 Colors 112–119 Blue+Amber 120–127 Neutral 128–139 15 Colors 140–145 Blue+Red+Amber 146–159 1% > 99% Plus G 160–167 18 Colors 168–170 Red+Amber 171–191 No Color 192–195 21 Colors 196–223 Amber 224–244 24 Colors 245–254 Full Plus G 255–255 Max
5	Color3	0	0–0 Min 1–13 >> 14–31 3200k 32–63 Double Flash 64–95 Quint All 96–98 Quint Flash 99–99 5600k 100–127 Rosco 128–128 Default 129–159 2x <Fast 160–199 Cycle All 200–253 Lee 254–254 Fastest 255–255 Max

Mode 30 - Ultimate ECC 8Bit (continued)

Ch	Function	Default	DMX values
6	Color4	0	0–0 Min 1–10 0 >> 100% Sat 11–13 Full Minus G 14–20 3200k 21–50 99% >> 1% Plus G 51–98 CalColor 99–101 5600k 102–119 Storaro 120–145 Neutral 146–152 1% >> 99% Plus G 153–203 Cinelux 204–244 NA 245–254 Full Plus G 255–255 Max
7	Color5	0	
8	Color6	0	0–10 No Effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
9	Color7	0	
10	Color8	0	
11	Color XF	0	0–254 Layer 1 255–255 Layer 2
12	Reserved 12	0	
13	Reserved 13	0	
14	Reserved 14	0	
15	Reserved 15	0	
16	Reserved 16	0	
17	Reserved 17	0	
18	Reserved 18	0	
19	Reserved 19	0	
20	Reserved 20	0	
21	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 30 - Ultimate ECC 8Bit (continued)

Ch	Function	Default	DMX values
22	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
23	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
24	No Feature	0	
25	Warm Cool	137	
26	Sat Desat	137	
27	Color RGBRed	137	
28	Color RGBGreen	137	
29	Color RGBBlue	137	
30	Color RGBCyan	137	
31	Color RGBMagenta	137	
32	Color RGBYellow	137	

Mode 8 - CCT+HSI ECC 16Bit

32 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint

Mode 8 - CCT+HSI ECC 16Bit (continued)

Ch	Function	Default	DMX values
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	H SBHue	0	0–84 0deg - Red 85–169 120deg - Green 170–255 240deg - Blue
10	H SBHue Fine	0	Fine byte of H SBHue
11	H SBSaturation	0	
12	H SBSaturation Fine	0	Fine byte of H SBSaturation
13	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
14	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
15	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
16	No Feature	0	
17	Warm Cool	136	
18	Warm Cool Fine	184	Fine byte of Warm Cool
19	Sat Desat	136	
20	Sat Desat Fine	184	Fine byte of Sat Desat
21	Color RGBRed	136	
22	Color RGBRed Fine	184	Fine byte of Color RGBRed
23	Color RGBGreen	136	
24	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
25	Color RGBBlue	136	
26	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
27	Color RGBCyan	136	
28	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
29	Color RGBMagenta	136	

Mode 8 - CCT+HSI ECC 16Bit (continued)

Ch	Function	Default	DMX values
30	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
31	Color RGBYellow	136	
32	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 19 - XY ECC 16Bit

33 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C IEX	135	
4	C IEX Fine	98	Fine byte of C IEX
5	C IEY	127	
6	C IEY Fine	172	Fine byte of C IEY
7	Color XF	0	0–254 Layer 1 255–255 Layer 2
8	Color XF Fine	0	Fine byte of Color XF
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	
13	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
14	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
15	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)

Mode 19 - XY ECC 16Bit (continued)

Ch	Function	Default	DMX values
16	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
17	No Feature	0	
18	Warm Cool	136	
19	Warm Cool Fine	184	Fine byte of Warm Cool
20	Sat Desat	136	
21	Sat Desat Fine	184	Fine byte of Sat Desat
22	Color RGBRed	136	
23	Color RGBRed Fine	184	Fine byte of Color RGBRed
24	Color RGBGreen	136	
25	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
26	Color RGBBlue	136	
27	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
28	Color RGBCyan	136	
29	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
30	Color RGBMagenta	136	
31	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
32	Color RGBYellow	136	
33	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 17 - Gels ECC 16Bit

35 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	0	0–254 3200 255–255 5600
4	Color RGBQuality	0	0–126 Best 127–254 Brightest 255–255 No Color
5	Brand	0	0–254 Rosco 255–255 Lee
6	Category	0	0–53 Color Correction 54–74 Color Filters 75–104 Cal Color 105–124 600 Series 125–155 Storaro 156–174 Cosmetic 175–206 Cinelux 207–254 700 Series 255–255 Reserved
7	Gel	0	
8	Color XF	0	0–254 Layer 1 255–255 Layer 2
9	Color XF Fine	0	Fine byte of Color XF
10	Reserved 10	0	
11	Reserved 11	0	
12	Reserved 12	0	

Mode 17 - Gels ECC 16Bit (continued)

Ch	Function	Default	DMX values
13	Reserved 13	0	
14	Reserved 14	0	
15	Color Transition Type	0	0–74 Direct 75–124 Through White Point 125–174 Through Black Point 175–254 Over White Point 255–255 Under White point
16	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
17	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
18	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
19	No Feature	0	
20	Warm Cool	136	
21	Warm Cool Fine	184	Fine byte of Warm Cool
22	Sat Desat	136	
23	Sat Desat Fine	184	Fine byte of Sat Desat
24	Color RGBRed	136	
25	Color RGBRed Fine	184	Fine byte of Color RGBRed
26	Color RGBGreen	136	
27	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
28	Color RGBBlue	136	
29	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
30	Color RGBCyan	136	
31	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
32	Color RGBMagenta	136	
33	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
34	Color RGBYellow	136	

Mode 17 - Gels ECC 16Bit (continued)

Ch	Function	Default	DMX values
35	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 6 - CCT+RGBW ECC 16Bit

36 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 closed 255–255 open
2	Dimmer Fine	0	Fine byte of Dimmer
3	C TC	99	0–13 2800 14–59 3200 60–98 4500 99–130 5600 131–254 6500 255–255 10000
4	C TC Fine	0	Fine byte of C TC
5	Tint	0	0–10 No effect 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–255 Full Plus G
6	Tint Fine	0	Fine byte of Tint
7	Crossfade	0	0–254 White 255–255 Color
8	Crossfade Fine	0	Fine byte of Crossfade
9	Red	255	
10	Red Fine	255	Fine byte of Red
11	Green	255	
12	Green Fine	255	Fine byte of Green
13	Blue	255	
14	Blue Fine	255	Fine byte of Blue
15	White	255	
16	White Fine	255	Fine byte of White
17	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off

Mode 6 - CCT+RGBW ECC 16Bit (continued)

Ch	Function	Default	DMX values
18	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
19	Shutter / Strobe	0	0–19 open 20–254 Shutter1Strobe · slow 1–24.9 Hz 255–255 Shutter1Strobe · fast 25 Hz
20	No Feature	0	
21	Warm Cool	136	
22	Warm Cool Fine	184	Fine byte of Warm Cool
23	Sat Desat	136	
24	Sat Desat Fine	184	Fine byte of Sat Desat
25	Color RGBRed	136	
26	Color RGBRed Fine	184	Fine byte of Color RGBRed
27	Color RGBGreen	136	
28	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
29	Color RGBBlue	136	
30	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
31	Color RGBCyan	136	
32	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
33	Color RGBMagenta	136	
34	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
35	Color RGBYellow	136	
36	Color RGBYellow Fine	184	Fine byte of Color RGBYellow

Mode 23 - Effects ECC 16Bit

37 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer

Mode 23 - Effects ECC 16Bit (continued)

Ch	Function	Default	DMX values
3	Mode	0	0–9 No Effect 10–19 Party 20–29 Candle 30–39 Clouds 40–49 Club Lights 50–59 Color Chase 60–69 Cop Car 70–79 Fire 80–89 Fireworks 90–99 Light Strobe 100–109 Lightning 110–119 Paparazzi 120–129 Pulsing 130–139 Television 140–149 Explosion 150–159 Flour Flicker 160–169 Process 170–179 Welding 180–255 Empty Channel Set
4	Color Wheel	0	0–0 CCT Range 1–4 1 > 25/fps 5–26 1 >> 50 27–31 Blue/Red 32–54 6 Colors 55–63 Red/Wht 64–82 9 Colors 83–83 Blu/Red/Wht 84–84 2200 > 2600k 85–95 1700k > 2000k 96–110 12 Colors 111–127 Blue/Amb 128–138 15 Colors 139–159 Blue/Red/Amb 160–166 18 Colors 167–169 Red/Amber 170–170 2000k > 2300k 171–191 6500 >> 10000k 192–194 21 Colors 195–222 Amber 223–223 Red 224–250 24 Colors 251–254 Max Offfset 255–255 Fastest
5	Color Wheel Fine	0	Fine byte of Color Wheel
6	Color Wheel 2	0	0–0 Loop 60s 1–30 0 > 120/Min 31–62 Double Flash 63–94 Quint All Flash 95–127 Quint Flash 128–158 Default > +2x 159–190 Cycle All 191–254 Reserved 255–255 1s
7	Color Wheel 2 Fine	0	Fine byte of Color Wheel 2

Mode 23 - Effects ECC 16Bit (continued)

Ch	Function	Default	DMX values
8	Color3	0	0–0 No Feature 1–10 2800k >> 10000k 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump tp Sync
9	Color3 Fine	0	Fine byte of Color3
10	Color4	0	0–10 No Sync 11–20 Full Minus G 21–119 99% >> 1% Minus G 120–145 Neutral 146–244 1% >> 99% Plus G 245–254 Full Plus G 255–255 Bump to Sync
11	Color4 Fine	0	Fine byte of Color4
12	Color5	0	0–254 Stb Hue 0 >>360 255–255 Bump to Sync
13	Color5 Fine	0	Fine byte of Color5
14	Color6	0	0–0 No Sat 1–254 0 >> 100% Sat 255–255 Full Sat
15	Color6 Fine	0	Fine byte of Color6
16	Color7	0	0–0 No Sat 1–254 0 >> 100% 255–255 Full Sat
17	Color7 Fine	0	Fine byte of Color7
18	Fan Mode	0	0–9 Fan Mode from Menu 10–57 Quiet 58–105 Variable 106–153 High Temp 154–201 Normal 202–250 Full Speed 251–255 Fan Off
19	Favorite	0	0–11 Open (wheel slot 1) 12–23 Preset 1 (wheel slot 2) 24–35 Preset 2 (wheel slot 3) 36–47 Preset 3 (wheel slot 4) 48–59 Preset 4 (wheel slot 5) 60–71 Preset 5 (wheel slot 6) 72–83 Preset 6 (wheel slot 7) 84–95 Preset 7 (wheel slot 8) 96–107 Preset 8 (wheel slot 9) 108–119 Preset 9 (wheel slot 10) 120–131 Preset 10 (wheel slot 11) 132–143 2900K (wheel slot 12) 144–155 3200K (wheel slot 13) 156–167 5600K (wheel slot 14) 168–179 6500K (wheel slot 15) 180–191 120deg HUE (wheel slot 16) 192–203 240deg HUE (wheel slot 17) 204–215 Rosco 3408 (wheel slot 18) 216–227 Lee 187 (wheel slot 19) 228–239 Rosco 3152 (wheel slot 20) 240–255 Lee 162 (wheel slot 21)
20	No Feature	0	
21	No Feature Fine	0	Fine byte of No Feature

Mode 23 - Effects ECC 16Bit (continued)

Ch	Function	Default	DMX values
22	Warm Cool	136	
23	Warm Cool Fine	184	Fine byte of Warm Cool
24	Sat Desat	136	
25	Sat Desat Fine	184	Fine byte of Sat Desat
26	Color RGBRed	136	
27	Color RGBRed Fine	184	Fine byte of Color RGBRed
28	Color RGBGreen	136	
29	Color RGBGreen Fine	184	Fine byte of Color RGBGreen
30	Color RGBBlue	136	
31	Color RGBBlue Fine	184	Fine byte of Color RGBBlue
32	Color RGBCyan	136	
33	Color RGBCyan Fine	184	Fine byte of Color RGBCyan
34	Color RGBMagenta	136	
35	Color RGBMagenta Fine	184	Fine byte of Color RGBMagenta
36	Color RGBYellow	136	
37	Color RGBYellow Fine	184	Fine byte of Color RGBYellow