Prolights

EclFresnelCTPL



Manufacturer	**Prolights**
Type	**Spot**
DMX modes	**31**
DMX footprint	**1, 2, 3, 4, 5, 11, 12, 15, 17, 19, 20, 21, 24, 25, 26, 29, 30, 34**
Beam angle	**23.74°**
Size (W × H × D)	**439 × 379 × 63 mm**
GDTF fixture type	**23AE0CE1-38CB-486E-ADBC-E1…**

Controls

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

Safety-relevant functions

Strobe · Built-in effect programmes

DMX modes

UNO_1ch	1 ch
DUO_2ch	2 ch
M101 - PixelMapperMode_3ch	3 ch
Basic_4ch	4 ch
Basic2_5ch	5 ch
M2 - CCT 16bit_11ch	11 ch
M3 - RGB 8 bit_11ch	11 ch
Standard_11ch	11 ch
M35 - RAW 8bit_12ch	12 ch
M4 - RGB 16bit_15ch	15 ch
M15 - CCT + RGB 8bit_17ch	17 ch
M28 - CCT + XY 16bit_17ch	17 ch
M8 - XY 16bit_17ch	17 ch
M36 - RAW 16bit_19ch	19 ch
M2 - CCT 16bit + ColorCorrection_20ch	20 ch
M3 - RGB 8 bit + ColorCorrection_20ch	20 ch
M16 - CCT + RGB 16bit_21ch	21 ch
M17 - CCT + RGB + GEL 8bit_21ch	21 ch
M30 - CCT + XY + GEL 16bit_21ch	21 ch
M37 - CCT + RAW 16bit_24ch	24 ch
M4 - RGB 16bit + ColorCorrection_24ch	24 ch
M18 - CCT + RGB + GEL 16bit_25ch	25 ch
Multimode 8bit Dual_25ch	25 ch
M15 - CCT + RGB 8bit + ColorCorrection_26ch	26 ch

M28 - CCT + XY 16bit + ColorCorrection_26ch	26 ch
M8 - XY 16bit + ColorCorrection_26ch	26 ch
M16 - CCT + RGB + FX 16bit_29ch	29 ch
M16 - CCT + RGB 16bit + ColorCorrection_30ch	30 ch
M17 - CCT + RGB + GEL 8bit + ColorCorrection_30ch	30 ch
M30 - CCT + XY + GEL 16bit + ColorCorrection_30ch	30 ch
M18 - CCT + RGB + GEL 16bit + ColorCorrection_34ch	34 ch

UNO_1ch

1 channel

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

DUO_2ch

2 channels

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

M101 - PixelMapperMode_3ch

3 channels

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

Basic_4ch

4 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Red	255	
3	Green	255	
4	Blue	255	

Basic2_5ch

5 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 1850K 255–255 20000K
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus

M2 - CCT 16bit_11ch

11 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	
4	C TC Fine	0	Fine byte of C TC

M2 - CCT 16bit_11ch (continued)

Ch	Function	Default	DMX values
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
7	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
8	Control1	0	
9	Function	0	
10	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
11	Dummy	0	

M3 - RGB 8 bit_11ch

11 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 Point	0	0–1 Default 2–255 Dynamic
6	White Point Fine	0	Fine byte of White Point
7	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open

M3 - RGB 8 bit_11ch (continued)

Ch	Function	Default	DMX values
8	Control1	0	
9	Function	0	
10	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
11	Dummy	0	

Standard_11ch

11 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	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRGB	0	0–254 CTC layer 255–255 RGB Layer
7	Red	255	
8	Green	255	
9	Blue	255	
10	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
11	Control1	0	

M35 - RAW 8bit_12ch

12 channels

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

M35 - RAW 8bit_12ch (continued)

Ch	Function	Default	DMX values
3	Green	255	
4	Blue	255	
5	Color Add C	255	
6	Color Add GY	255	
7	Color Add RY	255	
8	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
9	Control1	0	
10	Function	0	
11	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
12	Dummy	0	

M4 - RGB 16bit_15ch

15 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	
8	Blue Fine	255	Fine byte of Blue
9	White Point	0	0–1 Default 2–255 Dynamic
10	White Point Fine	0	Fine byte of White Point

M4 - RGB 16bit_15ch (continued)

Ch	Function	Default	DMX values
11	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
12	Control1	0	
13	Function	0	
14	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
15	Dummy	0	

M15 - CCT + RGB 8bit_17ch

17 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	
3	C TC Fine	0	Fine byte of C TC
4	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
5	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
6	Red	255	
7	Green	255	
8	Blue	255	
9	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
10	White Point	0	0–1 Default 2–255 Dynamic
11	White Point Fine	0	Fine byte of White Point

M15 - CCT + RGB 8bit_17ch (continued)

Ch	Function	Default	DMX values
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
17	Dummy	0	

M28 - CCT + XY 16bit_17ch

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	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCXY	0	0–254 CCT layer 255–255 XY layer
7	C IEX	93	
8	C IEX Fine	2	Fine byte of C IEX
9	C IEY	93	

M28 - CCT + XY 16bit_17ch (continued)

Ch	Function	Default	DMX values
10	C IEY Fine	2	Fine byte of C IEY
11	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
17	Dummy	0	

M8 - XY 16bit_17ch

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	93	
4	C IEX Fine	2	Fine byte of C IEX
5	C IEY	93	
6	C IEY Fine	2	Fine byte of C IEY
7	X Y1XY2	0	0–254 XY layer 1 255–255 XY layer 2
8	Reserved 8	0	

M8 - XY 16bit_17ch (continued)

Ch	Function	Default	DMX values
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
17	Dummy	0	

M36 - RAW 16bit_19ch

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	Red	255	
4	Red Fine	255	Fine byte of Red
5	Green	255	
6	Green Fine	255	Fine byte of Green
7	Blue	255	
8	Blue Fine	255	Fine byte of Blue
9	Color Add C	255	
10	Color Add C Fine	255	Fine byte of Color Add C

M36 - RAW 16bit_19ch (continued)

Ch	Function	Default	DMX values
11	Color Add GY	255	
12	Color Add GY Fine	255	Fine byte of Color Add GY
13	Color Add RY	255	
14	Color Add RY Fine	255	Fine byte of Color Add RY
15	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
16	Control1	0	
17	Function	0	
18	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
19	Dummy	0	

M2 - CCT 16bit + ColorCorrection_20ch

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	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature

M2 - CCT 16bit + ColorCorrection_20ch (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
8	Control1	0	
9	Function	0	
10	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
11	Dummy	0	
12	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
13	Warm Cool	128	0–254 Warmer 255–255 Cooler
14	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
15	Color Adjust Red	128	
16	Color Adjust Green	128	
17	Color Adjust Blue	128	
18	Color Adjust Cyan	128	
19	Color Adjust Magenta	128	
20	Color Adjust Yellow	128	

M3 - RGB 8 bit + ColorCorrection_20ch

20 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 Point	0	0–1 Default 2–255 Dynamic
6	White Point Fine	0	Fine byte of White Point

M3 - RGB 8 bit + ColorCorrection_20ch (continued)

Ch	Function	Default	DMX values
7	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
8	Control1	0	
9	Function	0	
10	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
11	Dummy	0	
12	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
13	Warm Cool	128	0–254 Warmer 255–255 Cooler
14	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
15	Color Adjust Red	128	
16	Color Adjust Green	128	
17	Color Adjust Blue	128	
18	Color Adjust Cyan	128	
19	Color Adjust Magenta	128	
20	Color Adjust Yellow	128	

M16 - CCT + RGB 16bit_21ch

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	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus

M16 - CCT + RGB 16bit_21ch (continued)

Ch	Function	Default	DMX values
6	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
14	White Point	0	0–1 Default 2–255 Dynamic
15	White Point Fine	0	Fine byte of White Point
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	

M17 - CCT + RGB + GEL 8bit_21ch

21 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	
3	C TC Fine	0	Fine byte of C TC
4	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
5	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
6	Red	255	
7	Green	255	
8	Blue	255	
9	R GBGEL	0	0–254 RGB layer 255–255 GEL layer
10	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
11	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
12	Gel Selector	0	
13	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
14	White Point	0	0–1 Default 2–255 Dynamic
15	White Point Fine	0	Fine byte of White Point
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD

M17 - CCT + RGB + GEL 8bit_21ch (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	

M30 - CCT + XY + GEL 16bit_21ch

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	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCXY	0	0–254 CCT layer 255–255 XY layer
7	C IEX	93	
8	C IEX Fine	2	Fine byte of C IEX
9	C IEY	93	
10	C IEY Fine	2	Fine byte of C IEY
11	X YGEL	0	0–254 XY layer 255–255 GEL Layer

M30 - CCT + XY + GEL 16bit_21ch (continued)

Ch	Function	Default	DMX values
12	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
13	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
14	Gel Selector	0	
15	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	

M30 - CCT + XY + GEL 16bit_21ch (continued)

Ch	Function	Default	DMX values
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	

M37 - CCT + RAW 16bit_24ch

24 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	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRAW	0	0–254 CTC 255–255 RAW
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	Color Add C	255	
14	Color Add C Fine	255	Fine byte of Color Add C
15	Color Add GY	255	
16	Color Add GY Fine	255	Fine byte of Color Add GY
17	Color Add RY	255	
18	Color Add RY Fine	255	Fine byte of Color Add RY
19	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature

M37 - CCT + RAW 16bit_24ch (continued)

Ch	Function	Default	DMX values
20	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
21	Control1	0	
22	Function	0	
23	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
24	Dummy	0	

M4 - RGB 16bit + ColorCorrection_24ch

24 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	
8	Blue Fine	255	Fine byte of Blue
9	White Point	0	0–1 Default 2–255 Dynamic
10	White Point Fine	0	Fine byte of White Point
11	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
12	Control1	0	
13	Function	0	

M4 - RGB 16bit + ColorCorrection_24ch (continued)

Ch	Function	Default	DMX values
14	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
15	Dummy	0	
16	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
17	Warm Cool	128	0–254 Warmer 255–255 Cooler
18	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
19	Color Adjust Red	128	
20	Color Adjust Green	128	
21	Color Adjust Blue	128	
22	Color Adjust Cyan	128	
23	Color Adjust Magenta	128	
24	Color Adjust Yellow	128	

M18 - CCT + RGB + GEL 16bit_25ch

25 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	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	R GBGEL	0	0–254 RGB layer 255–255 GEL layer

M18 - CCT + RGB + GEL 16bit_25ch (continued)

Ch	Function	Default	DMX values
14	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
15	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
16	Gel Selector	0	
17	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
18	White Point	0	0–1 Default 2–255 Dynamic
19	White Point Fine	0	Fine byte of White Point
20	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
21	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
22	Control1	0	
23	Function	0	

M18 - CCT + RGB + GEL 16bit_25ch (continued)

Ch	Function	Default	DMX values
24	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
25	Dummy	0	

Multimode 8bit Dual_25ch

25 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	Dimmer Fine	0	Fine byte of Dimmer
3	Color Model Mode	0	0–9 CCT 10–19 RGB 20–29 HSI 30–39 XY 40–49 GEL 50–255 NoFeature
4	Color Effects1	65	0–9 1850K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–254 Reserved 255–255 20000K
5	Color Effects2	127	0–1 Neutral 2–3 FullMinus 4–9 MinusGreen 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–126 Reserved 127–128 Neutral 129–253 PlusGreen 254–254 FullPlus 255–255 Max
6	Color Effects3	0	
7	L AYER1LAYER2	0	0–254 LAYER1 255–255 LAYER2

Multimode 8bit Dual_25ch (continued)

Ch	Function	Default	DMX values
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Effect	0	0–1 No Effect 2–3 Party 4–5 Candle 6–7 Clouds 8–9 Club Lights 10–11 Color Chase 12–13 Cop Car 14–15 Fire 16–17 Fireworks 18–19 Strobe 20–21 Lightning 22–23 Paparazzi 24–25 Pulsing 26–27 Television 28–29 Explosion 30–31 Flourescent Flicker 32–33 Process 34–35 Welding 36–255 Reserved

Multimode 8bit Dual_25ch (continued)

Ch	Function	Default	DMX values
13	Effect 2	0	0–0 Party Effect - CCT Range 1–4 Party Effect - Saturation min 5–9 Offset 1 10–14 Offset 2 15–19 Offset 3 20–24 Offset 4 25–27 Offset 5 28–29 Blue+Red 30–31 Offset 6 32–34 6 colors 35–39 Offset 7 40–44 Offset 8 45–49 Offset 9 50–54 Offset 10 55–55 Offset 11 56–59 Blue+White 60–63 Offset 12 64–64 9 colors 65–69 Offset 13 70–74 Offset 14 75–79 Offset 15 80–83 Offset 16 84–84 Blue+Red+White 85–89 Random 1700K - 2000K 90–94 Offset 18 95–95 Offset 19 96–99 12 colors 100–104 Offset 20 105–109 Offset 21 110–111 Offset 22 112–114 Blue+Amber 115–119 Offset 23 120–124 Offset 24 125–127 Offset 25 128–129 15 colors 130–134 Offset 26 135–139 Offset 27 140–144 Offset 28 145–149 Offset 29 150–154 Offset 30 155–159 Offset 31 160–164 Offset 32 165–167 Offset 33 168–169 Red+Amber 170–170 Offset 34 171–174 Random 2000K - 2300K 175–179 Offset 35 180–184 Offset 36 185–189 Offset 37 190–191 Offset 38 192–194 21 colors 195–195 Offset 39 196–199 Amber 200–204 Offset 40 205–209 Offset 41 210–214 Offset 42 215–219 Offset 43 220–223 Offset 44 224–224 24 colors 225–229 Offset 45 230–234 Offset 46 235–239 Offset 47 240–244 Offset 48 245–249 Offset 49

Multimode 8bit Dual_25ch (continued)

Ch	Function	Default	DMX values
14	Effect 3	0	0–0 Loop 60s 1–31 0 > 120 changes / min 32–63 Double Flash 64–95 Quint All Flash 96–127 Quint Flash 128–159 Default Speed > 2x Faster 160–191 Cycle All 192–249 Reserved 250–253 Manual (bump intensity to explode) 254–255 Loop 60s > 1s
15	Effect 4	0	0–0 NoFeature 1–1 Party Effect - Saturation min 2–3 Full Minus Green 4–126 -99% > -1% 127–127 Neutral / NoEffect 128–128 Default Speed > 2x Faster 129–251 1% > 99% 252–253 Full Plus Green 254–254 Neutral / NoEffect 255–255 Bump to 100% = Start @ 0 or to offset value
16	Effect 5	0	0–1 NoFeature 2–3 Full Minus Green 4–126 -99% > -1% 127–128 Neutral / NoEffect 129–251 1% > 99% 252–253 Full Plus Green 254–254 Neutral / NoEffect 255–255 Bump to 100% = Start @ 0 or to offset value
17	Effect 6	0	0–254 Hue 0 > 360 255–255 Bump to 100% = Start @ 0 or to offset value
18	Effect 7	0	0–254 Min Saturation 255–255 Max Saturation
19	Effect 8	0	0–254 Min Saturation 255–255 Max Saturation
20	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
21	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
22	Control1	0	
23	Function	0	

Multimode 8bit Dual_25ch (continued)

Ch	Function	Default	DMX values
24	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
25	Dummy	0	

M15 - CCT + RGB 8bit + ColorCorrection_26ch

26 channels

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	
3	C TC Fine	0	Fine byte of C TC
4	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
5	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
6	Red	255	
7	Green	255	
8	Blue	255	
9	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
10	White Point	0	0–1 Default 2–255 Dynamic
11	White Point Fine	0	Fine byte of White Point
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD

M15 - CCT + RGB 8bit + ColorCorrection_26ch (continued)

Ch	Function	Default	DMX values
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
17	Dummy	0	
18	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
19	Warm Cool	128	0–254 Warmer 255–255 Cooler
20	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
21	Color Adjust Red	128	
22	Color Adjust Green	128	
23	Color Adjust Blue	128	
24	Color Adjust Cyan	128	
25	Color Adjust Magenta	128	
26	Color Adjust Yellow	128	

M28 - CCT + XY 16bit + ColorCorrection_26ch

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	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus

M28 - CCT + XY 16bit + ColorCorrection_26ch (continued)

Ch	Function	Default	DMX values
6	C TCXY	0	0–254 CCT layer 255–255 XY layer
7	C IEX	93	
8	C IEX Fine	2	Fine byte of C IEX
9	C IEY	93	
10	C IEY Fine	2	Fine byte of C IEY
11	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
17	Dummy	0	
18	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
19	Warm Cool	128	0–254 Warmer 255–255 Cooler
20	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
21	Color Adjust Red	128	
22	Color Adjust Green	128	
23	Color Adjust Blue	128	

M28 - CCT + XY 16bit + ColorCorrection_26ch (continued)

Ch	Function	Default	DMX values
24	Color Adjust Cyan	128	
25	Color Adjust Magenta	128	
26	Color Adjust Yellow	128	

M8 - XY 16bit + ColorCorrection_26ch

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	C IEX	93	
4	C IEX Fine	2	Fine byte of C IEX
5	C IEY	93	
6	C IEY Fine	2	Fine byte of C IEY
7	X Y1XY2	0	0–254 XY layer 1 255–255 XY layer 2
8	Reserved 8	0	
9	Reserved 9	0	
10	Reserved 10	0	
11	Reserved 11	0	
12	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
13	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
14	Control1	0	
15	Function	0	
16	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature

M8 - XY 16bit + ColorCorrection_26ch (continued)

Ch	Function	Default	DMX values
17	Dummy	0	
18	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
19	Warm Cool	128	0–254 Warmer 255–255 Cooler
20	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
21	Color Adjust Red	128	
22	Color Adjust Green	128	
23	Color Adjust Blue	128	
24	Color Adjust Cyan	128	
25	Color Adjust Magenta	128	
26	Color Adjust Yellow	128	

M16 - CCT + RGB + FX 16bit_29ch

29 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	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue

M16 - CCT + RGB + FX 16bit_29ch (continued)

Ch	Function	Default	DMX values
13	Effect	0	0–1 No Effect 2–3 Party 4–5 Candle 6–7 Clouds 8–9 Club Lights 10–11 Color Chase 12–13 Cop Car 14–15 Fire 16–17 Fireworks 18–19 Strobe 20–21 Lightning 22–23 Paparazzi 24–25 Pulsing 26–27 Television 28–29 Explosion 30–31 Flourescent Flicker 32–33 Process 34–35 Welding 36–255 Reserved

M16 - CCT + RGB + FX 16bit_29ch (continued)

Ch	Function	Default	DMX values
14	Effect 2	0	0–0 Party Effect - CCT Range 1–4 Party Effect - Saturation min 5–9 Offset 1 10–14 Offset 2 15–19 Offset 3 20–24 Offset 4 25–27 Offset 5 28–29 Blue+Red 30–31 Offset 6 32–34 6 colors 35–39 Offset 7 40–44 Offset 8 45–49 Offset 9 50–54 Offset 10 55–55 Offset 11 56–59 Blue+White 60–63 Offset 12 64–64 9 colors 65–69 Offset 13 70–74 Offset 14 75–79 Offset 15 80–83 Offset 16 84–84 Blue+Red+White 85–89 Random 1700K - 2000K 90–94 Offset 18 95–95 Offset 19 96–99 12 colors 100–104 Offset 20 105–109 Offset 21 110–111 Offset 22 112–114 Blue+Amber 115–119 Offset 23 120–124 Offset 24 125–127 Offset 25 128–129 15 colors 130–134 Offset 26 135–139 Offset 27 140–144 Offset 28 145–149 Offset 29 150–154 Offset 30 155–159 Offset 31 160–164 Offset 32 165–167 Offset 33 168–169 Red+Amber 170–170 Offset 34 171–174 Random 2000K - 2300K 175–179 Offset 35 180–184 Offset 36 185–189 Offset 37 190–191 Offset 38 192–194 21 colors 195–195 Offset 39 196–199 Amber 200–204 Offset 40 205–209 Offset 41 210–214 Offset 42 215–219 Offset 43 220–223 Offset 44 224–224 24 colors 225–229 Offset 45 230–234 Offset 46 235–239 Offset 47 240–244 Offset 48 245–249 Offset 49

M16 - CCT + RGB + FX 16bit_29ch (continued)

Ch	Function	Default	DMX values
15	Effect 3	0	0–0 Loop 60s 1–31 0 > 120 changes / min 32–63 Double Flash 64–95 Quint All Flash 96–127 Quint Flash 128–159 Default Speed > 2x Faster 160–191 Cycle All 192–249 Reserved 250–253 Manual (bump intensity to explode) 254–255 Loop 60s > 1s
16	Effect 4	0	0–0 NoFeature 1–1 Party Effect - Saturation min 2–3 Full Minus Green 4–126 -99% > -1% 127–127 Neutral / NoEffect 128–128 Default Speed > 2x Faster 129–251 1% > 99% 252–253 Full Plus Green 254–254 Neutral / NoEffect 255–255 Bump to 100% = Start @ 0 or to offset value
17	Effect 5	0	0–1 NoFeature 2–3 Full Minus Green 4–126 -99% > -1% 127–128 Neutral / NoEffect 129–251 1% > 99% 252–253 Full Plus Green 254–254 Neutral / NoEffect 255–255 Bump to 100% = Start @ 0 or to offset value
18	Effect 6	0	0–254 Hue 0 > 360 255–255 Bump to 100% = Start @ 0 or to offset value
19	Effect 7	0	0–254 Min Saturation 255–255 Max Saturation
20	Effect 8	0	0–254 Min Saturation 255–255 Max Saturation
21	C TCRange Selector	255	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
22	White Point	0	0–1 Default 2–255 Dynamic
23	White Point Fine	0	Fine byte of White Point
24	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD

M16 - CCT + RGB + FX 16bit_29ch (continued)

Ch	Function	Default	DMX values
25	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
26	Control1	0	
27	Function	0	
28	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
29	Dummy	0	

M16 - CCT + RGB 16bit + ColorCorrection_30ch

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	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
14	White Point	0	0–1 Default 2–255 Dynamic

M16 - CCT + RGB 16bit + ColorCorrection_30ch (continued)

Ch	Function	Default	DMX values
15	White Point Fine	0	Fine byte of White Point
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	
22	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
23	Warm Cool	128	0–254 Warmer 255–255 Cooler
24	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
25	Color Adjust Red	128	
26	Color Adjust Green	128	
27	Color Adjust Blue	128	
28	Color Adjust Cyan	128	
29	Color Adjust Magenta	128	
30	Color Adjust Yellow	128	

M17 - CCT + RGB + GEL 8bit + ColorCorrection_30ch

30 channels

Ch	Function	Default	DMX values

M17 - CCT + RGB + GEL 8bit + ColorCorrection_30ch (continued)

Ch	Function	Default	DMX values
1	Dimmer	0	0–254 Closed 255–255 Open
2	C TC	0	
3	C TC Fine	0	Fine byte of C TC
4	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
5	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
6	Red	255	
7	Green	255	
8	Blue	255	
9	R GBGEL	0	0–254 RGB layer 255–255 GEL layer
10	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
11	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
12	Gel Selector	0	
13	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
14	White Point	0	0–1 Default 2–255 Dynamic
15	White Point Fine	0	Fine byte of White Point
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD

M17 - CCT + RGB + GEL 8bit + ColorCorrection_30ch (continued)

Ch	Function	Default	DMX values
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	
22	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
23	Warm Cool	128	0–254 Warmer 255–255 Cooler
24	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
25	Color Adjust Red	128	
26	Color Adjust Green	128	
27	Color Adjust Blue	128	
28	Color Adjust Cyan	128	
29	Color Adjust Magenta	128	
30	Color Adjust Yellow	128	

M30 - CCT + XY + GEL 16bit + ColorCorrection_30ch

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	C TC	0	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus

M30 - CCT + XY + GEL 16bit + ColorCorrection_30ch (continued)

Ch	Function	Default	DMX values
6	C TCXY	0	0–254 CCT layer 255–255 XY layer
7	C IEX	93	
8	C IEX Fine	2	Fine byte of C IEX
9	C IEY	93	
10	C IEY Fine	2	Fine byte of C IEY
11	X YGEL	0	0–254 XY layer 255–255 GEL Layer
12	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
13	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
14	Gel Selector	0	
15	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
16	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
17	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
18	Control1	0	
19	Function	0	

M30 - CCT + XY + GEL 16bit + ColorCorrection_30ch (continued)

Ch	Function	Default	DMX values
20	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
21	Dummy	0	
22	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
23	Warm Cool	128	0–254 Warmer 255–255 Cooler
24	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
25	Color Adjust Red	128	
26	Color Adjust Green	128	
27	Color Adjust Blue	128	
28	Color Adjust Cyan	128	
29	Color Adjust Magenta	128	
30	Color Adjust Yellow	128	

M18 - CCT + RGB + GEL 16bit + ColorCorrection_34ch

34 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	
4	C TC Fine	0	Fine byte of C TC
5	Tint	127	0–1 Neutral 2–3 FullMinus 4–126 MinusGreen 127–128 Neutral 129–253 PlusGreen 254–255 FullPlus
6	C TCRGB	0	0–254 CCT layer 255–255 RGB layer
7	Red	255	
8	Red Fine	255	Fine byte of Red
9	Green	255	
10	Green Fine	255	Fine byte of Green
11	Blue	255	
12	Blue Fine	255	Fine byte of Blue
13	R GBGEL	0	0–254 RGB layer 255–255 GEL layer

M18 - CCT + RGB + GEL 16bit + ColorCorrection_34ch (continued)

Ch	Function	Default	DMX values
14	Gel Source	0	0–9 2700K 10–19 2800K 20–29 3000K 30–39 3200K 40–49 4000K 50–59 5000K 60–69 5600K 70–79 6500K 80–89 Blackout 90–255 Reserved
15	Gel Category	0	0–9 LEE Color Correction 10–19 LEE Color Filters 20–29 LEE 600 Series 30–39 LEE Cosmetic Filters 40–49 LEE 700 Series 50–59 Rosco Color Correction 60–69 Rosco CalColor 70–79 Rosco Storaro Selection 80–89 Rosco Cinelux 90–99 Blackout 100–255 Reserved
16	Gel Selector	0	
17	C TCRange Selector	0	0–9 1850K - 20000K 10–19 2200K - 15000K 20–29 2800K - 10000K 30–255 NoFeature
18	White Point	0	0–1 Default 2–255 Dynamic
19	White Point Fine	0	Fine byte of White Point
20	Transition Type	0	0–9 Direct XY (Constant Brightness) 10–19 Standard Direct XY (w/o Constant Brightness) 20–29 Through Black 30–39 Through White 3200K (w/o Constant Brightness) 40–49 Through White 3200K (Constant Brightness) 50–59 Through White 5600K (w/o Constant Brightness) 60–69 Through White 5600K (Constant Brightness) 70–79 Through White 6500K (w/o Constant Brightness) 80–89 Through White 6500K (Constant Brightness) 90–255 TBD
21	Shutter / Strobe	255	0–1 Open 2–62 Strobe 63–64 Open 65–125 PulseInStrobe 126–127 Closed 128–188 PulseOutStrobe 189–190 Open 191–251 RandomStrobe 252–255 Open
22	Control1	0	
23	Function	0	

M18 - CCT + RGB + GEL 16bit + ColorCorrection_34ch (continued)

Ch	Function	Default	DMX values
24	Fan Mode	134	0–1 AsFormMenu 2–3 Auto 4–5 Turbo 6–107 Manual Fan Speed 108–109 Quiet 1 Dynamic Output 110–111 Quiet 2 Dynamic Output 112–113 Off Dynamic Output 114–115 Quiet 1 Contant Output 116–117 Quiet 2 Contant Output 118–119 OFF Contant Output 120–129 RESERVED 130–131 Quiet 3 Dynamic Output 132–133 Quiet 3 Constant Output 134–255 NoFeature
25	Dummy	0	
26	Color Mix Mode	0	0–9 Standard 10–19 Subtractive 20–255 NoFeature
27	Warm Cool	128	0–254 Warmer 255–255 Cooler
28	Saturate Desaturate	128	0–254 Saturate 255–255 Desaturate
29	Color Adjust Red	128	
30	Color Adjust Green	128	
31	Color Adjust Blue	128	
32	Color Adjust Cyan	128	
33	Color Adjust Magenta	128	
34	Color Adjust Yellow	128	