

Skypanel®

S30

S60

DMX Protocol V4.1

LIGHTING – TECHNICAL INFORMATION

DMX protocol version 4.1

Used in fixtures from firmware version 2.xx

Sxx-RP

Overview

8 bit 1 channel per function	16 bit 2 channels per function	Coarse / fine 1-2 channels per function
DMX mode 1*	DMX mode 2	DMX mode 3

* = Factory default

Mode 1: 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
3			Reserved for future use
4			Reserved for future use
5			Reserved for future use

Mode 2: 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3		0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
4				Reserved for future use
5				Reserved for future use
6				Reserved for future use

Mode 3: Coarse / fine channel per function

Each of the 256 coarse steps is divided in 256 fine steps. Use this mode when your lighting control desk does not support true 16 bit resolution.

DMX Channel		Value	Percent	Function
1		0 – 255	0 - 100	Dimmer closed → open
2		0 – 255	0 – 100	Dimmer fine
3		0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
4				Reserved for future use
5				Reserved for future use
6				Reserved for future use

Sxx-C (Color)

Overview

8 bit 1 channel per function	16 bit 2 channels per function	Coarse / fine 1-2 channels per function
DMX mode 1 CCT & RGBW	DMX mode 6 CCT & RGBW	DMX mode 11 CCT & RGBW
DMX mode 2 CCT	DMX mode 7 CCT	DMX mode 12 CCT
DMX mode 3 CCT & H S I	DMX mode 8 CCT & H S I	DMX mode 13 CCT & H S I
DMX mode 4 RGBW	DMX mode 9 RGBW	DMX mode 14 RGBW
DMX mode 5 H S I	DMX mode 10 H S I	DMX mode 15 H S I
DMX mode 16 GEL		

* = Factory default

GN saturation

The value describes the shift from the neutral point to full minus green or full plus green in percent.
(Reference: Rosco Cinegel #3304 and #3308)

Mode 1: CCT & RGBW, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Color temperature CCT 2.800 K → 10.000 K
3	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 8 - 46 47 - 57 57 - 96 96 - 100	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
4	0 – 255	0 - 100	Xfade to color White → RGBW color
5	0 – 255	0 - 100	Intensity red 0% → 100%
6	0 – 255	0 - 100	Intensity green 0% → 100%
7	0 – 255	0 - 100	Intensity blue 0% → 100%
8	0 – 255	0 - 100	Intensity white 0% → 100%
9	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
10			Reserved for future use
11			Reserved for future use
12			Reserved for future use

Mode 2: CCT, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Color temperature CCT 2.800 K → 10.000 K
3	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 8 - 46 47 - 57 57 - 96 96 - 100	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
4	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
5			Reserved for future use
6			Reserved for future use
7			Reserved for future use

Mode 3: CCT & H S I, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Color temperature CCT 2.800 K → 10.000 K
3	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 8 - 46 47 - 57 57 - 96 96 - 100	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
4	0 – 255	0 - 100	Xfade to color White → RGBW color
5	0 – 255	0 - 100	Hue 0° → 360°
6	0 – 255	0 - 100	Saturation 0 → full saturated
7	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
8			Reserved for future use
9			Reserved for future use
10			Reserved for future use

Mode 4: RGBW, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 - 100	Intensity red 0% → 100%
3	0 – 255	0 - 100	Intensity green 0% → 100%
4	0 – 255	0 - 100	Intensity blue 0% → 100%
5	0 – 255	0 - 100	Intensity white 0% → 100%
6	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
7			Reserved for future use
8			Reserved for future use
9			Reserved for future use

Mode 5: H S I, 8 bit resolution per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 - 100	Hue 0° → 360°
3	0 – 255	0 - 100	Saturation 0 → full saturated
4	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
5			Reserved for future use
6			Reserved for future use
7			Reserved for future use

Mode 6: CCT & RGBW, 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3	HI	0 – 65.535	0 – 100	Color temperature CCT 2.800 K → 10.000 K
4	LO			
5	HI	0 - 5.000	0-7	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
6	LO	5.001 – 10.000	8-15	
		10.001 – 29.999	16-46	
		30.000 – 40.000	46-61	
		40.001 – 59.999	61-92	
		60.000 – 65.535	92-100	
7	HI	0 – 65.535	0 - 100	Xfade to color White → RGBW color
8	LO			
9	HI	0 – 65.535	0 - 100	Intensity red 0% → 100%
10	LO			
11	HI	0 – 65.535	0 - 100	Intensity green 0% → 100%
12	LO			
13	HI	0 – 65.535	0 - 100	Intensity blue 0% → 100%
14	LO			
15	HI	0 – 65.535	0 - 100	Intensity white 0% → 100%
16	LO			
17		0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
18				Reserved for future use
19				Reserved for future use
20				Reserved for future use

Mode 7: CCT, 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3	HI	0 – 65.535	0 – 100	Color temperature CCT 2.800 K → 10.000 K
4	LO			
5	HI	0 - 5.000	0-7	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
6	LO	5.001 – 10.000	8-15	
		10.001 – 29.999	16-46	
		30.000 – 40.000	46-61	
		40.001 – 59.999	61-92	
		60.000 – 65.535	92-100	
7		0 – 9	0 – 4	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
		10 – 60	5 – 23	
		61 – 120	24 – 47	
		121 – 180	48 – 70	
		181 – 250	71 – 98	
		251 - 255	99 - 100	
8				Reserved for future use
9				Reserved for future use
10				Reserved for future use

Mode 8: CCT & H S I, 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3	HI	0 – 65.535	0 – 100	Color temperature CCT 2.800 K → 10.000 K
4	LO			
5	HI	0 - 5.000	0-7	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
6	LO	5.001 – 10.000	8-15	
		10.001 – 29.999	16-46	
		30.000 – 40.000	46-61	
		40.001 – 59.999	61-92	
		60.000 – 65.535	92-100	
7	HI	0 – 65.535	0 - 100	Xfade to color White → RGBW color
8	LO			
9	HI	0 – 65.535	0 - 100	Hue 0° → 360°
10	LO			
11	HI	0 – 65.535	0 - 100	Saturation White → full saturated
12	LO			
13		0 – 9	0 – 4	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
		10 – 60	5 – 23	
		61 – 120	24 – 47	
		121 – 180	48 – 70	
		181 – 250	71 – 98	
		251 - 255	99 - 100	
14				Reserved for future use
15				Reserved for future use
16				Reserved for future use

Mode 9: RGBW, 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3	HI	0 – 65.535	0 - 100	Intensity red 0% → 100%
4	LO			
5	HI	0 – 65.535	0 - 100	Intensity green 0% → 100%
6	LO			
7	HI	0 – 65.535	0 - 100	Intensity blue 0% → 100%
8	LO			
9	HI	0 – 65.535	0 - 100	Intensity white 0% → 100%
10	LO			
11		0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
12				Reserved for future use
13				Reserved for future use
14				Reserved for future use

Mode 10: H S I, 16 bit resolution per function

DMX Channel		Value	Percent	Function
1	HI	0 – 65.535	0 - 100	Dimmer closed → open
2	LO			
3	HI	0 – 65.535	0 - 100	Hue 0° → 360°
4	LO			
5	HI	0 – 65.535	0 - 100	Saturation White → full saturated
6	LO			
7		0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
8				Reserved for future use
9				Reserved for future use
10				Reserved for future use

Mode 11: CCT & RGBW, Coarse/fine per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Dimmer fine
3	0 – 255	0 – 100	Color temperature CCT coarse 2.800 K → 10.000 K
4	0 – 255	0 - 100	Color temperature CCT fine
5	0 - 10 11 - 20 21 - 119 120 - 145 146 - 244 245 - 255	0 - 4 5 - 8 8 - 46 47 - 57 57 - 96 96 - 100	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
6	0 – 255	0 - 100	Xfade to color White → RGBW color
7	0 – 255	0 - 100	Intensity red coarse 0% → 100%
8	0 – 255	0 – 100	Red fine
9	0 – 255	0 - 100	Intensity green coarse 0% → 100%
10	0 – 255	0 – 100	Green fine
11	0 – 255	0 - 100	Intensity blue coarse 0% → 100%
12	0 – 255	0 – 100	Blue fine
13	0 – 255	0 - 100	Intensity white coarse 0% → 100%
14	0 – 255	0 – 100	White fine
15	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
16			Reserved for future use
17			Reserved for future use
18			Reserved for future use

Mode 12: CCT, Coarse / fine channel per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Dimmer fine
3	0 – 255	0 – 100	Color temperature CCT coarse 2.800 K → 10.000 K
4	0 – 255	0 - 100	Color temperature CCT fine
5	0 - 10	0 - 4	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
	11 - 20	5 - 8	
	21 - 119	8 - 46	
	120 - 145	47 - 57	
	146 - 244	57 - 96	
	245 - 255	96 - 100	
6	0 – 9	0 – 4	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
	10 – 60	5 – 23	
	61 – 120	24 – 47	
	121 – 180	48 – 70	
	181 – 250	71 – 98	
	251 - 255	99 - 100	
7			Reserved for future use
8			Reserved for future use
9			Reserved for future use

Mode 13: CCT & H S I, Coarse / fine channel per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Dimmer fine
3	0 – 255	0 – 100	Color temperature CCT coarse 2.800 K → 10.000 K
4	0 – 255	0 - 100	Color temperature CCT fine
5	0 - 10	0 - 4	GN saturation neutral / no effect full minus green -99% → -1% neutral / no effect 1% → 99% full plus green
	11 - 20	5 - 8	
	21 - 119	8 - 46	
	120 - 145	47 - 57	
	146 - 244	57 - 96	
	245 - 255	96 - 100	
6	0 – 255	0 - 100	Xfade to color White → RGBW color
7	0 – 255	0 - 100	Hue coarse 0° → 360°
8	0 – 255	0 – 100	Hue fine
9	0 – 255	0 - 100	Saturation coarse 0 → full saturated
10	0 – 255	0 – 100	Saturation fine
11	0 – 9	0 – 4	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
	10 – 60	5 – 23	
	61 – 120	24 – 47	
	121 – 180	48 – 70	
	181 – 250	71 – 98	
	251 - 255	99 - 100	
12			Reserved for future use
13			Reserved for future use
14			Reserved for future use

Mode 14: RGBW, Coarse / fine channel per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Dimmer fine
3	0 – 255	0 - 100	Intensity red coarse 0% → 100%
4	0 – 255	0 – 100	Red fine
5	0 – 255	0 - 100	Intensity green coarse 0% → 100%
6	0 – 255	0 – 100	Green fine
7	0 – 255	0 - 100	Intensity blue coarse 0% → 100%
8	0 – 255	0 – 100	Blue fine
9	0 – 255	0 - 100	Intensity white coarse 0% → 100%
10	0 – 255	0 – 100	White fine
11	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
12			Reserved for future use
13			Reserved for future use
14			Reserved for future use

Mode 15: H S I, Coarse / fine channel per function

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 255	0 – 100	Dimmer fine
3	0 – 255	0 - 100	Hue coarse 0° → 360°
4	0 – 255	0 – 100	Hue fine
5	0 – 255	0 - 100	Saturation coarse 0 → full saturated
6	0 – 255	0 – 100	Saturation fine
7	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
8			Reserved for future use
9			Reserved for future use
10			Reserved for future use

Mode 16: GEL, 8 bit resolution per function, base channels

DMX Channel	Value	Percent	Function
1	0 – 255	0 - 100	Dimmer closed → open
2	0 – 128 129 – 255	0 – 50 51 – 100	Color temperature CCT 3.200 K 5.600 K
3	0 – 128 129 – 255	0 – 50 51 - 100	Color Matching Selection Best Color <i>Note: Color quality optimized</i> Brightest <i>Note: Color brightness optimized</i>
4	0 – 128 129 - 255	0 – 50 51 - 100	Gel manufacturer <i>Choose gel category on channel 5</i> <i>Choose gel on channel 6</i> Rosco LEE filters
5	0 – 50 51 – 101 102 – 152 153 – 203 204 - 255	0 – 20 21 – 39 40 – 60 61 – 80 81 - 100	Gel Category <i>Choose Gel manufacturer on channel 4</i> Category 1 <i>Rosco: Color correction</i> <i>LEE: Color correction</i> Category 2 <i>Rosco: CalColor</i> <i>LEE: Color Filters</i> Category 3 <i>Rosco: Storaro Selection</i> <i>LEE: 600 Series</i> Category 4 <i>Rosco: Cinelux</i> <i>LEE: Cosmetic Filters</i> Reserved for future use
6	0 – 255	0 – 100	Gel Please see tables below
7	0 – 9 10 – 60 61 – 120 121 – 180 181 – 250 251 - 255	0 – 4 5 – 23 24 – 47 48 – 70 71 – 98 99 - 100	Fan control Use Fan Mode Setting of Fixture Menu Low Fan Mode Variable Fan Mode High Fan Mode Fan at Full Speed Fan Off <i>Note: Fan Mode reverts to fixture menu setting, when DMX signal is lost.</i>
8			Reserved for future use
9			Reserved for future use
10			Reserved for future use

Mode 16: GEL, 8 bit resolution per function, GEL selection channel

Category 1, Rosco, Color correction

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Full CTB	3202
	2 – 3	3/4 CTB	3203
	4 – 5	1/2 CTB	3204
	6 – 7	1/3 CTB	3206
	8 – 9	1/4 CTB	3208
	10 – 11	1/8 CTB	3216
	12 – 13	Double CTB	3220
	14 – 15	Full CTO	3407
	16 – 17	3/4 CTO	3411
	18 – 19	1/2 CTO	3408
	20 – 21	1/4 CTO	3409
	22 – 23	1/8 CTO	3410
	24 – 25	Double CTO	3420
	26 – 27	Full CTS	3441
	28 – 29	1/2 CTS	3442
	30 – 31	1/4 CTS	3443
	32 – 33	1/8 CTS	3444
	34 – 35	Full Plusgreen	3304
	36 – 37	1/2 Plusgreen	3315
	38 – 39	1/4 Plusgreen	3316
	40 – 41	1/8 Plusgreen	3317
	42 – 43	Full Minusgreen	3308
	44 – 45	3/4 Minusgreen	3309
	46 – 47	1/2 Minusgreen	3313
	48 – 49	1/4 Minusgreen	3314
	50 – 51	1/8 Minusgreen	3318
	52 – 53	Fluorofilter	3310
	54 – 55	Industrial Vapor	3150
	56 – 57	Urban Vapor	3152
	58 – 59	Tough Y-1	3107
	60 – 61	Tough MT 54	3134
	62 – 63	Tough MTY	3106
	64 – 65	Tough MT2	3102
	66 – 255		Reserved for future use

Category 2, Rosco, CalColor

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	15 Blue	4215
	2 – 3	30 Blue	4230
	4 – 5	60 Blue	4260
	6 – 7	90 Blue	4290
	8 – 9	7 Cyan	4307
	10 – 11	15 Cyan	4315
	12 – 13	30 Cyan	4330
	14 – 15	60 Cyan	4360
	16 – 17	90 Cyan	4390
	18 – 19	15 Green	4415
	20 – 21	30 Green	4430
	22 – 23	60 Green	4460
	24 – 25	90 Green	4490
	26 – 27	15 Yellow	4515
	28 – 29	30 Yellow	4530
	30 – 31	60 Yellow	4560
	32 – 33	90 Yellow	4590
	34 – 35	15 Red	4615
	36 – 37	30 Red	4630
	38 – 39	60 Red	4660
	40 – 41	90 Red	4690
	42 – 43	15 Magenta	4715
	44 – 45	30 Magenta	4730
	46 – 47	60 Magenta	4760
	48 – 49	90 Magenta	4790
	50 – 51	15 Pink	4815
	52 – 53	30 Pink	4830
	54 – 55	60 Pink	4860
	56 – 57	90 Pink	4890
	58 – 59	15 Lavender	4915
	60 – 61	30 Lavender	4930
	62 – 63	60 Lavender	4960
	64 – 65	90 Lavender	4990
	66 – 255		Reserved for future use

Category 3, Rosco, Storaro Selection

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	VS Red	2001
	2 – 3	VS Orange	2202
	4 – 5	VS Yellow	2003
	6 – 7	VS Green	2004
	8 – 9	VS Cyan	2005
	10 – 11	VS Azure	2006
	12 – 13	VS Blue	2007
	14 – 15	VS Indigo	2008
	16 – 17	VS Violet	2009
	18 – 19	VS Magenta	2010
	20 - 255		Reserved for future use

Category 4, Rosco, Cinelux

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Bastard Amber	2
	2 – 3	Pale Bastard Amber	302
	4 – 5	No Color Straw	6
	6 – 7	Pale Gold	8
	8 – 9	Daffodil	310
	10 – 11	Straw	12
	12 – 13	Light Amber	16
	14 – 15	Gallo Gold	316
	16 – 17	Light Flame	17
	18 – 19	Flame	18
	20 – 21	Mayan Sun	318
	22 – 23	Golden Amber	21
	24 – 25	Soft Golden Amber	321
	26 – 27	Orange	23
	28 – 29	Henna Sky	325
	30 – 31	Light Red	26
	32 – 33	No Color Pink	33
	34 – 35	Blush Pink	333
	36 – 37	Flesh Pink	34
	38 – 39	Pale Rose Pink	37
	40 – 41	Salmon	41
	42 – 43	Deep Salmon	42
	44 – 45	Middle Rose	44
	46 – 47	Light Rose Purple	47
	48 – 49	Surprise Pink	51
	50 - 51	No Color Blue	60

Category 4, Rosco, Cinelux, continued

DMX Channel	Value	Gel Name	Gel Number
6 cont.	52 – 53	Clearwater	360
	54 – 55	Booster Blue	62
	56 – 57	Tipton Blue	362
	58 – 59	Blue Bell	364
	60 – 61	Daylight Blue	65
	62 – 63	Tharon Delft Blue	365
	64 – 65	Cerulean Blue	375
	66 – 67	Bermuda Blue	376
	68 – 69	Green Blue	77
	70 – 71	Alice Blue	378
	72 – 73	Primary Blue	80
	74 – 75	Baldassari Blue	381
	76 – 77	Medium Blue	83
	78 – 79	Pale Yellow Green	87
	80 – 81	Light Green	88
	82 – 83	Moss Green	89
	84 – 85	Primary Green	91
	86 – 87	Turquoise	92
	88 – 89	Blue Green	93
	90 – 91	Chocolate	99
	92 - 255		Reserved for future use

Category 1, LEE, Color correction

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Double CTB	200
	2 – 3	Full CTB	201
	4 – 5	3/4 CTB	281
	6 – 7	1/2 CTB	202
	8 – 9	1/4 CTB	203
	10 – 11	1/8 CTB	218
	12 – 13	Double CTO	287
	14 – 15	Full CTO	204
	16 – 17	3/4 CTO	285
	18 – 19	1/2 CTO	205
	20 – 21	1/4 CTO	206
	22 – 23	1/8 CTO	223
	24 – 25	1 1/2 CTB	283
	26 – 27	1 1/2 CTO	286
	28 – 29	Full CTS	441
	30 – 31	1/2 CTS	442
	32 – 33	1/4 CTS	443
	34 – 35	1/8 CTS	444
	36 – 37	Full CTO + .3 ND	207
	38 – 39	Full CTO + .6 ND	208
	40 – 41	L.C.T. Yellow (Y1)	212
	42 – 43	White Flame Green	213
	44 – 45	LEE Fluorescent Green	219
	46 – 47	Super Correction L.C.T. Yellow	230
	48 – 49	Super Correction W.F. Green	232
	50 – 51	H.M.I. (to Tungsten)	236
	52 – 53	C.I.D. (to Tungsten)	237
	54 – 55	C.S.I. (to Tungsten)	238
	56 – 57	LEE Fluorescent 5700 Kelvin	241
	58 – 59	LEE Fluorescent 4300 Kelvin	242
	60 – 61	LEE Fluorescent 3600 Kelvin	243
	62 – 63	LEE Plus Green	244
	64 – 65	1/2 Plus Green	245
	66 – 67	1/4 Plus Green	246
	68 – 69	1/8 Plus Green	278
	70 – 71	LEE Minus Green	247
	72 – 73	1/2 Minus Green	248
	74 – 75	1/4 Minus Green	249
	76 – 77	1/8 Minus Green	279
	78 - 255	Reserved for future use	

Category 2, LEE, Color Filters

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Rose Pink	002
	2 – 3	Lavender Tint	003
	4 – 5	Medium Bastard Amber	004
	6 – 7	Pale Yellow	007
	8 – 9	Dark Salmon	008
	10 – 11	Pale Amber Gold	009
	12 – 13	Medium Yellow	010
	14 – 15	Straw Tint	013
	16 – 17	Surprise Peach	017
	18 – 19	Fire	019
	20 – 21	Medium Amber	020
	22 – 23	Gold Amber	021
	24 – 25	Dark Amber	022
	26 – 27	Scarlet	024
	28 – 29	Sunset Red	025
	30 – 31	Bright Red	026
	32 – 33	Light Pink	035
	34 – 35	Medium Pink	036
	36 – 37	Dark Magenta	046
	38 – 39	Rose Purple	048
	40 – 41	Light Lavender	052
	42 – 43	Paler Lavender	053
	44 – 45	Lavender	058
	46 – 47	Mist Blue	061
	48 – 49	Pale Blue	063
	50 – 51	Sky Blue	068
	52 – 53	Evening Blue	075
	54 – 55	Just Blue	079
	56 – 57	Deeper Blue	085
	58 – 59	Lime Green	088
	60 – 61	Moss Green	089
	62 – 63	Dark Yellow Green	090
	64 – 65	Spring Yellow	100
	66 – 67	Yellow	101
	68 – 69	Light Amber	102
	70 – 71	Straw	103
	72 – 73	Deep Amber	104
	74 – 75	Primary Red	106
	76 – 77	Light Rose	107
	78 – 79	English Rose	108
	80 – 81	Light Salmon	109
	82 – 83	Middle Rose	110
	84 – 85	Dark Pink	111
	86 – 87	Magenta	113

Category 2, LEE, Color Filters, continued

DMX Channel	Value	Gel Name	Gel Number
6 cont.	88 – 89	Peacock Blue	115
	90 – 91	Steel Blue	117
	92 – 93	Light Blue	118
	94 – 95	Deep Blue	120
	96 – 97	LEE Green	121
	98 – 99	Fern Green	122
	100 – 101	Dark Green	124
	102 – 103	Smokey Pink	127
	104 – 105	Bright Pink	128
	106 – 107	Marine Blue	131
	108 – 109	Golden Amber	134
	110 – 111	Deep Golden Amber	135
	112 – 113	Pale Lavender	136
	114 – 115	Special Lavender	137
	116 – 117	Pale Green	138
	118 – 119	Summer Blue	140
	120 – 121	Pale Violet	142
	122 – 123	Pale Navy Blue	143
	124 – 125	No Color Blue	144
	126 – 127	Apricot	147
	128 – 129	Bright Rose	148
	130 – 131	Gold Tint	151
	132 – 133	Pale Gold	152
	134 – 135	Pale Salmon	153
	136 – 137	Pale Rose	154
	138 – 139	Chocolate	156
	140 – 141	Pink	157
	142 – 143	No Color Straw	159
	144 – 145	Slate Blue	161
	146 – 147	Bastard Amber	162
	148 – 149	Flame Red	164
	150 – 151	Daylight Blue	165
	152 – 153	Lilac Tint	169
	154 – 155	Deep Lavender	170
	156 – 157	Dark Steel Blue	174
	158 – 159	Loving Amber	176
	160 – 161	Dark Lavender	180
	162 – 163	Light Red	182
	164 – 165	Flesh Pink	192
	166 – 167	Surprise Pink	194
	168 – 169	Zenith Blue	195
	170 – 171	True Blue	196
	172 – 173	Alice Blue	197

Category 2, LEE, Color Filters, continued

DMX Channel	Value	Gel Name	Gel Number
6 cont.	174 – 175	Palace Blue	198
	176 – 177	Regal Blue	199
	178 - 255		Reserved for future use

Category 3, LEE, 600 Series

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Arctic White	600
	2 – 3	Silver	601
	4 – 5	Platinum	602
	6 – 7	Moonlight White	603
	8 – 9	Full CT 85	604
	10 – 11	Industry Sodium	650
	12 – 13	HI Sodium	651
	14 – 15	Urban Sodium	652
	16 – 17	LO Sodium	653
	18 - 255		Reserved for future use

Category 4, LEE, Cosmetic Filters

DMX Channel	Value	Gel Name	Gel Number
6	0 – 1	Cosmetic Peach	184
	2 – 3	Cosmetic Silver Rose	186
	4 – 5	Cosmetic Rouge	187
	6 – 7	Cosmetic Highlight	188
	8 – 9	Cosmetic Silver Moss	189
	10 – 11	Cosmetic Aqua Blue	191
	12 – 13	Lily Frost	705
	14 – 15	Shanklin Frost	717
	16 – 17	Half Shanklin Frost	718
	18 – 19	Durham Daylight Frost	720
	20 – 21	Hampshire Rose	749
	22 – 23	Durham Frost	750
	24 – 25	Soft Amber Key 1	774
	26 – 27	Soft Amber Key 2	775
	28 – 29	Moroccan Frost	791
	30 – 31	Blue Diffusion	217
	32 – 33	Blue Frost	221
	34 – 35	Daylight Blue frost	224
	36 - 255		Reserved for future use