Epos 300 DMX Protocol v3

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Changelog

v2

Added RGBACL mode

v3 Controller fw. >= 1.0.4, Lamphead fw. >= 1.0.4

Added intensity smoothing.
Device white point range changed to 2000K-10000K, from 2800K-10000K
Effect play and stop inverted. 0 = stop, 1-255 = play
Tint neutral only uses one value. Saturation default value only uses one value. Goal is to better utilize the dmx range.
Removed HSI intensity

Firmware compatibility

Mode name	Minimum firmware version
RGBACL	1.0.1

Effect name	Minimum firmware version
Lightning	1.0.3
Dimming	1.0.3

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CCT

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	CCT	1700K to 20000K	0 to 255	0 to 65535
4	6/7	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535

HSI

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	Hue	0.0 to 360.0	0 to 255	0 to 65535
4	6/7	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
5	8	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
6	9/10	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535

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RGB

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	Red	0.0 to 255.0	0 to 255	0 to 65535
4	6/7	Green	0.0 to 255.0	0 to 255	0 to 65535
5	8/9	Blue	0.0 to 255.0	0 to 255	0 to 65535
6	10	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
7	11/12	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535

XY

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	x	0.0 to 0.8	0 to 255	0 to 65535
4	6/7	y	0.0 to 0.8	0 to 255	0 to 65535

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Gel

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4	Brand and Category	Rosco CalColor	0	
			Rosco Cinelux	1	
			Rosco Color Correction	2	
			Lee 0 Series	3	
			Lee 100 Series	4	
			Lee 200 and 300 Series	5	
			Lee 500 Series	6	
			Lee 700 Series	7	
			Lee Color Correction	8 to 255	
4	5	Gel Index	See gel overview	0 to 255	
5	6/7	Base CCT	2800 to 10000K	0 to 255	0 to 65535

CCT and HSI

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	CCT	1700K to 20000K	0 to 255	0 to 65535
4	6/7	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
5	8/9	Crossfade	0.0 to 1.0	0 to 255	0 to 65535
6	10/11	Hue	0.0 to 360.0	0 to 255	0 to 65535
7	12/13	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	14	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	15/16	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535

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CCT and RGB

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	CCT	1700K to 20000K	0 to 255	0 to 65535
4	6/7	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
5	8/9	Crossfade	0.0 to 1.0	0 to 255	0 to 65535
6	10/11	Red	0.0 to 255.0	0 to 255	0 to 65535
7	12/13	Green	0.0 to 255.0	0 to 255	0 to 65535
8	14/15	Blue	0.0 to 255.0	0 to 255	0 to 65535
9	16	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
10	17/18	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535

RGBACL

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4/5	Red	0.0 to 100.0	0 to 255	0 to 65535
4	6/7	Green	0.0 to 100.0	0 to 255	0 to 65535
5	8/9	Blue	0.0 to 100.0	0 to 255	0 to 65535
6	10/11	Amber	0.0 to 100.0	0 to 255	0 to 65535
7	12/13	Cyan	0.0 to 100.0	0 to 255	0 to 65535
8	14/15	Lime	0.0 to 100.0	0 to 255	0 to 65535

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Effect

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
1	1/2	Main intensity	0% to 100%	0 to 255	0 to 65535
2	3	Output type	Constant output	0	
			Maximum output	1 to 255	
3	4	Selected effect	None	0	
			Fire	1	
			CCT chase	2	
			Color chase	3	
			Pulse	4	
			Strobe	5	
			Lightning	6	
			Dimming	7 to 255	
4	5	Effect state	Stop	0	
			Play	1 to 255	
5	6/7	Parameter 1	See effects overview	0 to 255	0 to 65535
6	8/9	Parameter 2	See effects overview	0 to 255	0 to 65535
7	10/11	Parameter 3	See effects overview	0 to 255	0 to 65535
8	12/13	Parameter 4	See effects overview	0 to 255	0 to 65535
9	14/15	Parameter 5	See effects overview	0 to 255	0 to 65535
10	16/17	Parameter 6	See effects overview	0 to 255	0 to 65535
11	18/19	Parameter 7	See effects overview	0 to 255	0 to 65535
12	20/21	Parameter 8	See effects overview	0 to 255	0 to 65535
13	22/23	Parameter 9	See effects overview	0 to 255	0 to 65535
14	24/25	Parameter 10	See effects overview	0 to 255	0 to 65535
15	26/27	Parameter 11	See effects overview	0 to 255	0 to 65535
16	28/29	Parameter 12	See effects overview	0 to 255	0 to 65535
17	30/31	Parameter 13	See effects overview	0 to 255	0 to 65535

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Fire

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Fire type	Candle	0	
			Camp fire	1	
			Bon fire	2 to 255	
6	7	Wind type	No wind	0	
			Breeze	1	
			Windy	2	
			Stormy	3 to 255	

CCT chase

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6/7	Start CCT	1700K to 20000K	0 to 255	0 to 65535
6	8/9	Start tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
7	10/11	Stop CCT	1700K to 20000K	0 to 255	0 to 65535
8	12/13	Stop tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
9	14/15	Duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
10	16/17	Duration seconds	0.0 to 60.0	0 to 255	0 to 65535
11	18	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

Colour chase

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6/7	Start hue	0.0 to 360.0	0 to 255	0 to 65535
6	8/9	End hue	0.0 to 360.0	0 to 255	0 to 65535
7	10/11	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	12	Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	13/14	Device white point	2000 to 10000K	0 to 255	0 to 65535
10	15/16	Duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
11	17/18	Duration seconds	0.0 to 60.0	0 to 255	0 to 65535
12	19	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

Pulse [Selected color type = CCT]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	CCT	1700K to 20000K	0 to 255	0 to 65535
7	9/10	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
8	11/12	Pulses per minute	1.0 to 300.0	0 to 255	0 to 65535
9	13	Pulse curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	

Pulse [Selected color type = RGB]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Red	0.0 to 255.0	0 to 255	0 to 65535
7	9/10	Green	0.0 to 255.0	0 to 255	0 to 65535
8	11/12	Blue	0.0 to 255.0	0 to 255	0 to 65535
9	13	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
10	14/15	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535
11	16/17	Pulses per minute	1.0 to 300.0	0 to 255	0 to 65535
12	18	Pulse curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	

Pulse [Selected color type = HSI]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Hue	0.0 to 360.0	0 to 255	0 to 65535
7	9/10	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	11	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	12/13	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535
10	14/15	Pulses per minute	1.0 to 300.0	0 to 255	0 to 65535
11	16	Pulse curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	

Pulse [Selected color type = XY]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	x	0.0 to 0.8	0 to 255	0 to 65535
7	9/10	y	0.0 to 0.8	0 to 255	0 to 65535
8	11/12	Pulses per minute	1.0 to 300.0	0 to 255	0 to 65535
9	13	Pulse curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	

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Strobe [Selected color type = CCT]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	CCT	1700K to 20000K	0 to 255	0 to 65535
7	9/10	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
8	11/12	Strobes per minute	1.0 to 1200.0	0 to 255	0 to 65535
9	13/14	Flash duration	5.0 to 95.0	0 to 255	0 to 65535

Strobe [Selected color type = RGB]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Red	0.0 to 255.0	0 to 255	0 to 65535
7	9/10	Green	0.0 to 255.0	0 to 255	0 to 65535
8	11/12	Blue	0.0 to 255.0	0 to 255	0 to 65535
9	13	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
10	14/15	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535
11	16/17	Strobes per minute	1.0 to 1200.0	0 to 255	0 to 65535
12	18/19	Flash duration	5.0 to 95.0	0 to 255	0 to 65535

Strobe [Selected color type = HSI]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Hue	0.0 to 360.0	0 to 255	0 to 65535
7	9/10	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	11	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	12/13	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535
10	14/15	Strobes per minute	1.0 to 1200.0	0 to 255	0 to 65535
11	16/17	Flash duration	5.0 to 95.0	0 to 255	0 to 65535

Strobe [Selected color type = XY]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	x	0.0 to 0.8	0 to 255	0 to 65535
7	9/10	y	0.0 to 0.8	0 to 255	0 to 65535
8	11/12	Strobes per minute	1.0 to 1200.0	0 to 255	0 to 65535
9	13/14	Flash duration	5.0 to 95.0	0 to 255	0 to 65535

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Lightning [Selected color type = CCT]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	CCT	1700K to 20000K	0 to 255	0 to 65535
7	9/10	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
8	11/12	Color randomization	0.0 to 1.0	0 to 255	0 to 65535
9	13/14	Storm intensity	0.0 to 100.0	0 to 255	0 to 65535

Lightning [Selected color type = RGB]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Red	0.0 to 255.0	0 to 255	0 to 65535
7	9/10	Green	0.0 to 255.0	0 to 255	0 to 65535
8	11/12	Blue	0.0 to 255.0	0 to 255	0 to 65535
9	13	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
10	14/15	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535
11	16/17	Color randomization	0.0 to 1.0	0 to 255	0 to 65535
12	18/19	Storm intensity	0.0 to 100.0	0 to 255	0 to 65535

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Lightning [Selected color type = HSI]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Hue	0.0 to 360.0	0 to 255	0 to 65535
7	9/10	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	11	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	12/13	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535
10	14/15	Color randomization	0.0 to 1.0	0 to 255	0 to 65535
11	16/17	Storm intensity	0.0 to 100.0	0 to 255	0 to 65535

Lightning [Selected color type = XY]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	x	0.0 to 0.8	0 to 255	0 to 65535
7	9/10	y	0.0 to 0.8	0 to 255	0 to 65535
8	11/12	Color randomization	0.0 to 1.0	0 to 255	0 to 65535
9	13/14	Storm intensity	0.0 to 100.0	0 to 255	0 to 65535

Dimming [Selected color type = CCT]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	CCT	1700K to 20000K	0 to 255	0 to 65535
7	9/10	Tint	Neutral	0	0
			-0.027 to 0.027	1 to 255	1 to 65535
8	11/12	Start intensity	0.0 to 100.0	0 to 255	0 to 65535
9	13/14	Stop intensity	0.0 to 100.0	0 to 255	0 to 65535
10	15	Dimming curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	
11	16/17	Idle duration seconds	0.0 to 60.0	0 to 255	0 to 65535
12	18/19	Dimming duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
13	20/21	Dimming duration seconds	0.0 to 60.0	0 to 255	0 to 65535
14	22	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

Dimming [Selected color type = RGB]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Red	0.0 to 255.0	0 to 255	0 to 65535
7	9/10	Green	0.0 to 255.0	0 to 255	0 to 65535
8	11/12	Blue	0.0 to 255.0	0 to 255	0 to 65535
9	13	RGB Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
10	14/15	RGB Device white point	2000 to 10000K	0 to 255	0 to 65535
11	16/17	Start intensity	0.0 to 100.0	0 to 255	0 to 65535
12	18/19	Stop intensity	0.0 to 100.0	0 to 255	0 to 65535
13	20	Dimming curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	
14	21/22	Idle duration seconds	0.0 to 60.0	0 to 255	0 to 65535
15	23/24	Dimming duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
16	25/26	Dimming duration seconds	0.0 to 60.0	0 to 255	0 to 65535
17	27	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

Dimming [Selected color type = HSI]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	Hue	0.0 to 360.0	0 to 255	0 to 65535
7	9/10	Saturation	Default 100%	0	0
			0% to 100%	1 to 255	1 to 65535
8	11	HSI Colorspace	Device	0	
			sRGB/Rec. 709	1	
			Adobe RGB	2	
			Adobe Wide	3	
			ProPhoto	4	
			DCI P3	5	
			Rec. 2020	6 to 255	
9	12/13	HSI Device white point	2000 to 10000K	0 to 255	0 to 65535
10	14/15	Start intensity	0.0 to 100.0	0 to 255	0 to 65535
11	16/17	Stop intensity	0.0 to 100.0	0 to 255	0 to 65535
12	18	Dimming curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	
13	19/20	Idle duration seconds	0.0 to 60.0	0 to 255	0 to 65535
14	21/22	Dimming duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
15	23/24	Dimming duration seconds	0.0 to 60.0	0 to 255	0 to 65535
16	25	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

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Dimming [Selected color type = XY]

8 Bit	16 Bit	Name	Function	Value 8 Bit	Value 16 Bit
5	6	Selected color type	CCT	0	
			RGB	1	
			HSI	2	
			XY	3 to 255	
6	7/8	x	0.0 to 0.8	0 to 255	0 to 65535
7	9/10	y	0.0 to 0.8	0 to 255	0 to 65535
8	11/12	Start intensity	0.0 to 100.0	0 to 255	0 to 65535
9	13/14	Stop intensity	0.0 to 100.0	0 to 255	0 to 65535
10	15	Dimming curve	Sinusoidal	0	
			Logarithmic	1	
			Exponential	2	
			Triangle	3 to 255	
11	16/17	Idle duration seconds	0.0 to 60.0	0 to 255	0 to 65535
12	18/19	Dimming duration minutes	0.0 to 1440.0	0 to 255	0 to 65535
13	20/21	Dimming duration seconds	0.0 to 60.0	0 to 255	0 to 65535
14	22	Loop type	No loop	0	
			Normal loop	1	
			Back and forth	2 to 255	

Gel Overview

Rosco CalColor

Gel Name	Gel swatch number	Value 8 Bit
15 Blue	R4215	0
30 Blue	R4230	1
60 Blue	R4260	2
90 Blue	R4290	3
7.5 Cyan	R4307	4
15 Cyan	R4315	5
30 Cyan	R4330	6
60 Cyan	R4360	7
90 Cyan	R4390	8
15 Green	R4415	9
30 Green	R4430	10
60 Green	R4460	11
90 Green	R4490	12
15 Yellow	R4515	13
30 Yellow	R4530	14
60 Yellow	R4560	15
90 Yellow	R4590	16
15 Red	R4615	17
30 Red	R4630	18
60 Red	R4660	19
90 Red	R4690	20
15 Magenta	R4715	21
30 Magenta	R4730	22
60 Magenta	R4760	23
90 Magenta	R4790	24
15 Pink	R4815	25
30 Pink	R4830	26
60 Pink	R4860	27
90 Pink	R4890	28
15 Lavender	R4915	29
30 Lavender	R4930	30
60 Lavender	R4960	31
90 Lavender	R4990	32

Rosco Cinelux

Gel Name	Gel swatch number	Value 8 Bit
Pale Bastard Amber	R302	0
Daffodil	R310	1
Straw	R12	2
Light Amber	R16	3
Gallo Gold	R316	4
Light Flame	R17	5
Flame	R18	6
Mayan Sun	R318	7
Golden Amber	R21	8
Soft Golden Amber	R321	9
Orange	R23	10
Henna Sky	R325	11
Light Red	R26	12
No Color Pink	R33	13
Blush Pink	R333	14
Flesh Pink	R34	15
Pale Rose Pink	R37	16
Skelton Exotic Sangria	R39	17
Salmon	R41	18
Deep Salmon	R42	19
Middle Rose	R44	20
Light Rose Purple	R47	21
Surprise Pink	R51	22
Indigo	R59	23
No Color Blue	R60	24
Clearwater	R360	25
Booster Blue	R62	26
Tipton Blue	R362	27
Blue Bell	R364	28
Daylight Blue	R65	29
Tharon Delft Blue	R365	30
Cerulean Blue	R375	31
Bermuda Blue	R376	32
Green Blue	R77	33
Alice Blue	R378	34
Primary Blue	R80	35

Medium Blue	R83	36
Pale Yellow Green	R87	37
Light Green	R88	38
Moss Green	R89	39
Primary Green	R91	40
Turquoise	R92	41
Blue Green	R93	42
Light Grey	R97	43
Pale Grey	R397	44
Medium Grey	R98	45
Chocolate	R99	46

K

Rosco Color Correction

Gel Name	Gel swatch number	Value 8 Bit
1/1 CTB	R3202	0
3/4 CTB	R3203	1
1/2 CTB	R3204	2
1/3 CTB	R3206	3
1/4 CTB	R3208	4
1/8 CTB	R3216	5
2/1 CTB	R3220	6
1/1 CTO	R3407	7
1/2 CTO	R3408	8
1/4 CTO	R3409	9
1/8 CTO	R3410	10
3/4 CTO	R3411	11
2/1 CTO	R3420	12
1/1 CTS	R3441	13
1/2 CTS	R3442	14
1/4 CTS	R3443	15
1/8 CTS	R3444	16
1/1 Plusgreen	R3304	17
1/2 Plusgreen	R3315	18
1/4 Plusgreen	R3316	19
1/8 Plusgreen	R3317	20
1/1 Minusgreen	R3308	21
3/4 Minusgreen	R3309	22
1/2 Minusgreen	R3313	23
1/4 Minusgreen	R3314	24
1/8 Minusgreen	R3318	25

Lee 0 Series

Gel Name	Gel swatch number	Value 8 Bit
Rose Pink	002	0
Lavender Tint	003	1
M. Bastard Amber	004	2
Pale Yellow	007	3
Dark Salmon	008	4
Pale Amber Gold	009	5
M. Yellow	010	6
Straw Tint	013	7
Deep Straw	015	8
Surprise Peach	017	9
Fire	019	10
M. Amber	020	11
Gold Amber	021	12
Dark Amber	022	13
Scarlet	024	14
Sunset Red	025	15
Bright Red	026	16
M. Red	027	17
Plasa Red	029	18
Light Pink	035	19
M. Pink	036	20
Dark Magenta	046	21
Rose Purple	048	22
M. Purple	049	23
Light Lavender	052	24
Paler Lavender	053	25
Lavender	058	26
Mist Blue	061	27
Pale Blue	063	28
Sky Blue	068	29
Tokyo Blue	071	30
Evening Blue	075	31
Just Blue	079	32
Deeper Blue	085	33
Lime Green	088	34
Moss Green	089	35

| Dark Yellow Green | 090 | 36 |

Lee 100 Series

Gel Name	Gel swatch number	Value 8 Bit
Spring Yellow	100	0
Yellow	101	1
Light Amber	102	2
Straw	103	3
Deep Amber	104	4
Orange	105	5
Primary Red	106	6
Light Rose	107	7
English Rose	108	8
Light Salmon	109	9
Middle Rose	110	10
Dark Pink	111	11
Magenta	113	12
Peacock Blue	115	13
M. Blue-Green	116	14
Steel Blue	117	15
Light Blue	118	16
Dark Blue	119	17
Deep Blue	120	18
Green	121	19
Fern Green	122	20
Dark Green	124	21
Mauve	126	22
Smokey Pink	127	23
Bright Pink	128	24
Clear	130	25
Marine Blue	131	26
M. Blue	132	27
Golden Amber	134	28
Deep Golden Amber	135	29
Pale Lavender	136	30
S. Lavender	137	31
Pale Green	138	32
Primary Green	139	33
Summer Blue	140	34
Bright Blue	141	35

Pale Violet	142	36
Pale Navy Blue	143	37
No Colour Blue	144	38
Apricot	147	39
Bright Rose	148	40
Gold Tint	151	41
Pale Gold	152	42
Pale Salmon	153	43
Pale Rose	154	44
Chocolate	156	45
Pink	157	46
Deep Orange	158	47
No Colour Straw	159	48
Slate Blue	161	49
Bastard Amber	162	50
Flame Red	164	51
Daylight Blue	165	52
Lilac Tint	169	53
Deep Lavender	170	54
Lagoon Blue	172	55
Dark Steel Blue	174	56
Loving Amber	176	57
Chrome Orange	179	58
Dark Lavender	180	59
Congo Blue	181	60
Light Red	182	61
Moonlight Blue	183	62
Flesh Pink	192	63
Surprise Pink	194	64
Zenith Blue	195	65
True Blue	196	66
Alice Blue	197	67
Palace Blue	198	68
Regal Blue	199	69

K

Lee 200 and 300 Series

Gel Name	Gel swatch number	Value 8 Bit
Blue Frost	221	0
Daylight Blue Frost	224	1
Neutral Density Frost	225	2
Soft Green	322	3
Jade	323	4
Forest Green	327	5
Follies Pink	328	6
S. Rose Pink	332	7
S. M. Lavender	343	8
Fuchsia Pink	345	9
Glacier Blue	352	10
Lighter Blue	353	11
S. Steel Blue	354	12
S. M. Blue	363	13
Cornflower	366	14

Lee 500 Series

Gel Name	Gel swatch number	Value 8 Bit
2/1 New Colour Blue	500	0
1/1 New Colour Blue	501	1
1/2 New Colour Blue	502	2
1/4 New Colour Blue	503	3
Waterfront Green	504	4
Sally Green	505	5
Marlene	506	6
Madge	507	7
Midnight Maya	508	8
Argent Blue	525	9

Lee 700 Series

Gel Name	Gel swatch number	Value 8 Bit
Perfect Lavender	700	0
Provence	701	1
S. Pale Lavender	702	2
Cold Lavender	703	3
Lily	704	4
Lily Frost	705	5
King Fals Lavender	706	6
Ultimate Violet	707	7
Cool Lavender	708	8
Electric Lilac	709	9
Spir S. Blue	710	10
Cold Blue	711	11
Bedford Blue	712	12
JWinter Blue	713	13
Elysian Blue	714	14
Cabana Blue	715	15
Mikkel Blue	716	16
Shanklin Frost	717	17
1/2 Shanklin Frost	718	18
Colour Wash Blue	719	19
Durham Daylight Frost	720	20
Berry Blue	721	21
Bray Blue	722	22
Virgin Blue	723	23
Ocean Blue	724	24
Old Steel Blue	725	25
QFD Blue	727	26
Steel Green	728	27
Scuba Blue	729	28
Liberty Green	730	29
Dirty Ice	731	30
Damp Squib	733	31
Velvet Green	735	32
Twickenham Green	736	33
JAS Green	738	34
Bram Brown	742	35

Dirty White	744	36
Brown	746	37
Easy White	747	38
Seedy Pink	748	39
Hampshire Rose	749	40
Durham Frost	750	41
Wheat	763	42
Sun Colour Straw	764	43
Yellow	765	44
Oklahoma Yellow	767	45
Egg Yolk Yellow	768	46
Burnt Yellow	770	47
Cardbox Amber	773	48
Soft Amber Key 1	774	49
Soft Amber Key 2	775	50
Nectarine	776	51
Rust	777	52
Millennium Gold	778	53
Bastard Pink	779	54
AS Golden Amber	780	55
Terry Red	781	56
Marius Red	787	57
Blood Red	789	58
Moroccan Pink	790	59
Moroccan Frost	791	60
Vanity Fair	793	61
Pretty n Pink	794	62
Magical Magenta	795	63
Deep Purple	797	64
Chrysalis Pink	798	65
S. KH Lavender	799	66

Lee Color Correction

Gel Name	Gel swatch number	Value 8 Bit
2/1 CTB	200	0
3/2 CTB	283	1
1/1 CTB	201	2
3/4 CTB	281	3
1/2 CTB	202	4
1/4 CTB	203	5
1/8 CTB	218	6
2/1 CTO	287	7
3/2 CTO	286	8
1/1 CTO	204	9
3/4 CTO	285	10
1/2 CTO	205	11
1/4 CTO	206	12
1/8 CTO	223	13
1/1 CTS	441	14
1/2 CTS	442	15
1/4 CTS	443	16
1/8 CTS	444	17
1/1 Plus Green	244	18
1/2 Plus Green	245	19
1/4 Plus Green	246	20
1/8 Plus Green	278	21
1/1 Minus Green	247	22
1/2 Minus Green	248	23
1/4 Minus Green	249	24
1/8 Minus Green	279	25
HMI (to Tungsten)	236	26
HI Sodium	651	27
White Flame Green	213	28
1/4 Mustard Yellow	643	29
Aurora Borealis Green	740	30
Fluorescent 5700K	241	31
LO Sodium	653	32
Fluorescent Green	219	33
1/2 Mustard Yellow	642	34
CSI (to Tungsten)	238	35

K

Mustard Yellow	741	36
SC LCT Yellow	230	37
CID (to Tungsten)	237	38
Industry Sodium	650	39
Fluorescent 4300K	242	40
Urban Sodium	652	41
SC WF Green	232	42
1/1 CT Eight Five	604	43
Fluorescent 3600K	243	44
LCT Yellow (Y1)	212	45