

Fiilex Matrix Color DMX Index Guide

Mode 1: CCT, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta ~ Full green (-1.0 ~ +1.0)
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Reserved	TBD	TBD

Mode 2: HSI, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Hue	0 - 255	0° - 360°
3	Saturation	0 - 255	0% - 100%
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Reserved	TBD	TBD

Mode 3 : RGBW, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Intensity Red	0 - 255	0% - 100%
3	Intensity Green	0 - 255	0% - 100%
4	Intensity Blue	0 - 255	0% - 100%
5	Intensity White	0 - 255	0% - 100%
6	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
7	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
8	Reserved	TBD	TBD

Mode 4: CCT + HSI, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9	Neutral (0)
		10 - 255	Full magenta ~ Full green (-1.0 ~ +1.0)
4	Crossfade	0 - 255	0% - 100%
5	Hue	0 - 255	0° - 360°
6	Saturation	0 - 255	0% - 100%
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Reserved	TBD	TBD

Mode 5 : CCT + RGBW, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	CCT	0 - 255	2000K - 10000K
3	Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta ~ Full green (-1.0 ~ +1.0)
4	Crossfade	0 - 255	0% - 100%
5	Intensity Red	0 - 255	0% - 100%
6	Intensity Green	0 - 255	0% - 100%
7	Intensity Blue	0 - 255	0% - 100%
8	Intensity White	0 - 255	0% - 100%
9	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
10	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
11	Reserved	TBD	TBD

Mode 6 : CIE-x,y, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	x	0 - 255	0.0 - 0.725
3	y	0 - 255	0.0 - 0.845
4	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
5	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
6	Reserved	TBD	TBD

Mode 7 : Gel, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Gel Filter	0 - 9	None
		10 - 19	Bastard amber
		20 - 29	Straw
		30 - 39	Light amber
		40 - 49	Light flame
		50 - 59	Golden amber
		60 - 69	Light red
		70 - 79	No color pink
		80 - 89	Middle rose
		90 - 99	Light Rose Purple
		100 - 109	Surprise pink
		110 - 119	No Color Blue
		120 - 129	Daylight blue
		130 - 139	Primary blue
		140 - 149	Moss green
		150 - 159	Blue green
		160 - 169	Gel 1
170 - 179	Gel 2		
180 - 189	Gel 3		
190 - 199	Gel 4		
200 - 209	Gel 5		
210 - 255	Reserved for future use		
3	CCT (Disabeld for Gel 1-5)	0 - 99	3200K
		100 - 255	6500K
4	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
5	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
6	Reserved	TBD	TBD

Mode 8 : Effects, 8-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 255	0% - 100%
2	Effect Selection	0 - 9	No effect
		10 - 19	Candle
		20 - 29	Club light
		30 - 39	Color chase
		40 - 49	Cop car
		50 - 59	Fireworks
		60 - 69	Lightning
		70 - 79	Paparazzi
		80 - 89	Strobe
		90 - 99	Television
		100 - 109	Effect 1
		110 - 119	Effect 2
		120 - 129	Effect 3
		130 - 139	Effect 4
140 - 149	Effect 5		
150 - 255	Reserved for future use		
3	Effect Function 1	See table below	
4	Effect Function 2		
5	Effect Function 3		
6	Effect Function 4	Reserved for future use	
7	Effect Function 5		
8	Effect Function 6		
9	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
10	Reserved	TBD	TBD

	Candle			Fireworks			Television		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Color	0 - 9 10 - 19 20 - 29	Color White Color + White	Mode	0 - 9 10 - 19 20 - 29 30 - 39	Action Horror News Romance
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest			
	Club Light			Lightning			Cop Car		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Color	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69	Red Green Blue Cyan Magenta Yellow All colors	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Color	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109	B (Blue) R (Red) A (Amber) W (White) RB RA BA BW AW RBW BRA
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Flash Pattern	0 - 9 10 - 19 20 - 29 30 - 39	Single Double Quad Quint
	Color Chase			Paparazzi			Strobe		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
3	Saturation	0 - 255	0% - 100%	Color	0 - 9 10 - 19 20 - 29	Warmer Neutral Cooler	Hue	0 - 255	0 - 360°
4	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest	Saturation	0 - 255	0% - 100%
5							Speed	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49	Slowest Slower Medium Faster Fastest

Mode 9: CCT, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Reserved	TBD	TBD
10			

Mode 10: HSI, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Hue	0 - 65,535	0° - 360°
4			
5	Saturation	0 - 65,535	0% - 100%
6			
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Reserved	TBD	TBD
10			

Mode 11 : RGBW, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Intensity Red	0 - 65,535	0% - 100%
4			
5	Intensity Green	0 - 65,535	0% - 100%
6			
7	Intensity Blue	0 - 65,535	0% - 100%
8			
9	Intensity White	0 - 65,535	0% - 100%
10			
11	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
12	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
13	Reserved	TBD	TBD
14			

Mode 12 : CCT + HSI, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Crossfade	0 - 65,535	0% - 100%
8			
9	Hue	0 - 65,535	0° - 360°
10			
11	Saturation	0 - 65,535	0% - 100%
12			
13	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
14	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
15	Reserved	TBD	TBD
16			

Mode 13 : CCT + RGBW, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	CCT	0 - 65,535	2000K - 10000K
4			
5	Green Adjust	0 - 9	Neutral (0)
6		10 - 65,535	Full magenta ~ Full green (-1.0 ~ +1.0)
7	Crossfade	0 - 65,535	0% - 100%
8			
9	Intensity Red	0 - 65,535	0% - 100%
10			
11	Intensity Green	0 - 65,535	0% - 100%
12			
13	Intensity Blue	0 - 65,535	0% - 100%
14			
15	Intensity White	0 - 65,535	0% - 100%
16			
17	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
18	Dimming Setting	0 - 9 10 - 99 100 - 255	Use current setting in fixture Sharp dimming Smooth dimming
19	Reserved	TBD	TBD
20			

Mode 14 : CIE-x,y, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	x	0 - 65,535	0.0 - 0.725
4			
5	y	0 - 65,535	0.0 - 0.845
6			
7	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
8	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
9	Reserved	TBD	TBD
10			

Mode 15 : Gel, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Gel Filter	0 - 9	None
		10 - 19	Bastard amber
		20 - 29	Straw
		30 - 39	Light amber
		40 - 49	Light flame
		50 - 59	Golden amber
		60 - 69	Light red
		70 - 79	No color pink
		80 - 89	Middle rose
		90 - 99	Light Rose Purple
		100 - 109	Surprise pink
		110 - 119	No Color Blue
		120 - 129	Daylight blue
		130 - 139	Primary blue
		140 - 149	Moss green
		150 - 159	Blue green
		160 - 169	Gel 1
170 - 179	Gel 2		
180 - 189	Gel 3		
190 - 199	Gel 4		
200 - 209	Gel 5		
210 - 255	Reserved for future use		
4	CCT (Disabeld for Gel 1-5)	0 - 99	3200K
		100 - 255	6500K
5	Fan Setting	0 - 9	Use current setting in fixture
		10 - 69	Silent (Fan speed fixed)
		70 - 129	Variable (Fan speed variable)
		130 - 189	Full speed (Fan speed fixed)
		190 - 255	Fan off (Fan is off)
6	Dimming Setting	0 - 9	Use current setting in fixture
		10 - 99	Sharp dimming
		100 - 255	Smooth dimming
7	Reserved	TBD	TBD
8			

Mode 16 : Effects, 16-bit			
DMX	Function	Value	Range
1	Master Intensity	0 - 65,535	0% - 100%
2			
3	Effect Selection	0 - 9 10 - 19 20 - 29 30 - 39 40 - 49 50 - 59 60 - 69 70 - 79 80 - 89 90 - 99 100 - 109 110 - 119 120 - 129 130 - 139 140 - 149 150 - 255	No effect Candle Club light Color chase Cop car Fireworks Lightning Paparazzi Strobe Television Effect 1 Effect 2 Effect 3 Effect 4 Effect 5 Reserved for future use
4	Effect Function 1	See table below	
5			
6	Effect Function 2		
7			
8	Effect Function 3		
9			
10	Effect Function 4	Reserved for future use	
11			
12	Effect Function 5		
13			
14	Effect Function 6		
15			
16	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use current setting in fixture Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
17	Reserved	TBD	TBD
18			

	Candle			Fireworks			Television		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Color	0 - 9	Warmer	Color	0 - 9	Color	Mode	0 - 9	Action
5		10 - 19	Neutral		10 - 19	White		10 - 19	Horror
		20 - 29	Cooler		20 - 29	Color + White		20 - 29	News
		30 - 39						30 - 39	Romance
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest			
7		10 - 19	Slower		10 - 19	Slower			
		20 - 29	Medium		20 - 29	Medium			
		30 - 39	Faster		30 - 39	Faster			
		40 - 49	Fastest		40 - 49	Fastest			
	Club Light			Lightning			Cop Car		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Color	0 - 9	Red	Color	0 - 9	Warmer	Color	0 - 9	B (Blue)
		10 - 19	Green					10 - 19	R (Red)
		20 - 29	Blue					20 - 29	A (Amber)
		30 - 39	Cyan		10 - 19	Neutral		30 - 39	W (White)
		40 - 49	Magenta		20 - 29	Cooler		40 - 49	RB
5		50 - 59	Yellow					50 - 59	RA
		60 - 69	All colors					60 - 69	BA
								70 - 79	BW
								80 - 89	AW
								90 - 99	RBW
								100 - 109	BRA
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest	Flash Pattern	0 - 9	Single
7		10 - 19	Slower		10 - 19	Slower		10 - 19	Double
		20 - 29	Medium		20 - 29	Medium		20 - 29	Quad
		30 - 39	Faster		30 - 39	Faster		30 - 39	Quint
		40 - 49	Fastest		40 - 49	Fastest			
	Color Chase			Paparazzi			Strobe		
DMX	Function	Value	Range	Function	Value	Range	Function	Value	Range
4	Saturation	0 - 65,535	0% - 100%	Color	0 - 9	Warmer	Hue	0 - 65,535	0 - 360°
5					10 - 19	Neutral			
6	Speed	0 - 9	Slowest	Speed	0 - 9	Slowest	Saturation	0 - 65,535	0% - 100%
7		10 - 19	Slower		10 - 19	Slower			
		20 - 29	Medium		20 - 29	Medium			
		30 - 39	Faster		30 - 39	Faster			
		40 - 49	Fastest		40 - 49	Fastest			
8							Speed	0 - 9	Slowest
9								10 - 19	Slower
								20 - 29	Medium
								30 - 39	Faster
								40 - 49	Fastest

Mode 17 : PXL CCT+HSI, 8-bit				
DMX	Pixel	Function	Value	Range
1	1	Master Intensity	0 - 255	0% - 100%
2		CCT	0 - 255	2000K - 10000K
3		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
4		Crossfade	0 - 255	0% - 100%
5		Hue	0 - 255	0° - 360°
6		Saturation	0 - 255	0% - 100%
7	2	Master Intensity	0 - 255	0% - 100%
8		CCT	0 - 255	2000K - 10000K
9		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
10		Crossfade	0 - 255	0% - 100%
11		Hue	0 - 255	0° - 360°
12		Saturation	0 - 255	0% - 100%
13	3	Master Intensity	0 - 255	0% - 100%
14		CCT	0 - 255	2000K - 10000K
15		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
16		Crossfade	0 - 255	0% - 100%
17		Hue	0 - 255	0° - 360°
18		Saturation	0 - 255	0% - 100%
19	4	Master Intensity	0 - 255	0% - 100%
20		CCT	0 - 255	2000K - 10000K
21		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
22		Crossfade	0 - 255	0% - 100%
23		Hue	0 - 255	0° - 360°
24		Saturation	0 - 255	0% - 100%
25	Fixture Setting (Not Specific to Any Pixels)	Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255	Use fan setting of fixture menu Silent (Fan speed fixed) Variable (Fan speed variable) Full speed (Fan speed fixed) Fan off (Fan is off)
26		Dimming Setting	0 - 9 10 - 99 100 - 255	Use dimming setting of fixture menu Sharp dimming Smooth dimming
27	TBD	Reserved	TBD	TBD

Mode 18: PXL CCT+RGBW 8-bit				
DMX	Pixel	Function	Value	Range
1	1	Master Intensity	0 - 255	0% - 100%
2		CCT	0 - 255	2000K - 10000K
3		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
4		Crossfade	0 - 255	0% - 100%
5		Intensity Red	0 - 255	0% - 100%
6		Intensity Green	0 - 255	0% - 100%
7		Intensity Blue	0 - 255	0% - 100%
8		Intensity White	0 - 255	0% - 100%
9	2	Master Intensity	0 - 255	0% - 100%
10		CCT	0 - 255	2000K - 10000K
11		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
12		Crossfade	0 - 255	0% - 100%
13		Intensity Red	0 - 255	0% - 100%
14		Intensity Green	0 - 255	0% - 100%
15		Intensity Blue	0 - 255	0% - 100%
16		Intensity White	0 - 255	0% - 100%
17	3	Master Intensity	0 - 255	0% - 100%
18		CCT	0 - 255	2000K - 10000K
19		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
20		Crossfade	0 - 255	0% - 100%
21		Intensity Red	0 - 255	0% - 100%
22		Intensity Green	0 - 255	0% - 100%
23		Intensity Blue	0 - 255	0% - 100%
24		Intensity White	0 - 255	0% - 100%
25	4	Master Intensity	0 - 255	0% - 100%
26		CCT	0 - 255	2000K - 10000K
27		Green Adjust	0 - 9 10 - 255	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
28		Crossfade	0 - 255	0% - 100%
29		Intensity Red	0 - 255	0% - 100%
30		Intensity Green	0 - 255	0% - 100%
31		Intensity Blue	0 - 255	0% - 100%
32		Intensity White	0 - 255	0% - 100%
33	Fixture Setting (Not Specific to Any Pixels)	Fan Setting	0 - 9	Use fan setting of fixture menu
			10 - 69	Silent (Fan speed fixed)
			70 - 129	Variable (Fan speed variable)
			130 - 189	Full speed (Fan speed fixed)
			190 - 255	Fan off (Fan is off)
34		Dimming Setting	0 - 9	Use dimming setting of fixture menu
			10 - 99	Sharp dimming
			100 - 255	Smooth dimming
35	TBD	Reserved	TBD	TBD

Mode 19: PXL CIE-x,y, 8-bit				
DMX	Pixel	Function	Value	Range
1	1	Master Intensity	0 - 255	0% - 100%
2		x	0 - 255	0 - 0.725
3		y	0 - 255	0 - 0.845
4	2	Master Intensity	0 - 255	0% - 100%
5		x	0 - 255	0 - 0.725
6		y	0 - 255	0 - 0.845
7	3	Master Intensity	0 - 255	0% - 100%
8		x	0 - 255	0 - 0.725
9		y	0 - 255	0 - 0.845
10	4	Master Intensity	0 - 255	0% - 100%
11		x	0 - 255	0 - 0.725
12		y	0 - 255	0 - 0.845
13	Fixture Setting (Not Specific to Any Pixels)	Fan Setting	0 - 9	Use fan setting of fixture menu
14			Dimming Setting	10 - 69
		70 - 129		Variable (Fan speed variable)
			130 - 189	Full speed (Fan speed fixed)
			190 - 255	Fan off (Fan is off)
			0 - 9	Use dimming setting of fixture menu
			10 - 99	Sharp dimming
			100 - 255	Smooth dimming
15	TBD	Reserved	TBD	TBD

Mode 20: PXL CCTHSI, 16-bit				
DMX	Pixel	Function	Value	Range
1-2	1	Master Intensity	0 - 65,535	0% - 100%
3-4		CCT	0 - 65,535	2000K - 10000K
5-6		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
7-8		Crossfade	0 - 65,535	0% - 100%
9-10		Hue	0 - 65,535	0° - 360°
11-12		Saturation	0 - 65,535	0% - 100%
13-14		2	Master Intensity	0 - 65,535
15-16	CCT		0 - 65,535	2000K - 10000K
17-18	Green Adjust		0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
19-20	Crossfade		0 - 65,535	0% - 100%
21-22	Hue		0 - 65,535	0° - 360°
23-24	Saturation		0 - 65,535	0% - 100%
25-26	3		Master Intensity	0 - 65,535
27-28		CCT	0 - 65,535	2000K - 10000K
29-30		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
31-32		Crossfade	0 - 65,535	0% - 100%
33-34		Hue	0 - 65,535	0° - 360°
35-36		Saturation	0 - 65,535	0% - 100%
37-38		4	Master Intensity	0 - 65,535
39-40	CCT		0 - 65,535	2000K - 10000K
41-42	Green Adjust		0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
43-44	Crossfade		0 - 65,535	0% - 100%
45-46	Hue		0 - 65,535	0° - 360°
47-48	Saturation		0 - 65,535	0% - 100%
49	Fixture Setting (Not Specific to Any Pixels)		Fan Setting	0 - 9 10 - 69 70 - 129 130 - 189 190 - 255
50		Dimming Setting	0 - 9 10 - 99 100 - 255	Use dimming setting of fixture menu Sharp dimming Smooth dimming
51	TBD	Reserved	TBD	TBD
52				

Mode 21: PXL CCT+RGBW, 16-bit				
DMX	Pixel	Function	Value	Range
1-2	1	Master Intensity	0 - 65,535	0% - 100%
3-4		CCT	0 - 65,535	2000K - 10000K
5-6		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
7-8		Crossfade	0 - 65,535	0% - 100%
9-10		Intensity Red	0 - 65,535	0% - 100%
11-12		Intensity Green	0 - 65,535	0% - 100%
13-14		Intensity Blue	0 - 65,535	0% - 100%
15-16		Intensity White	0 - 65,535	0% - 100%
17-18	2	Master Intensity	0 - 65,535	0% - 100%
19-20		CCT	0 - 65,535	2000K - 10000K
21-22		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
23-24		Crossfade	0 - 65,535	0% - 100%
25-26		Intensity Red	0 - 65,535	0% - 100%
27-28		Intensity Green	0 - 65,535	0% - 100%
29-30		Intensity Blue	0 - 65,535	0% - 100%
31-32		Intensity White	0 - 65,535	0% - 100%
33-34	3	Master Intensity	0 - 65,535	0% - 100%
35-36		CCT	0 - 65,535	2000K - 10000K
37-38		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
39-40		Crossfade	0 - 65,535	0% - 100%
41-42		Intensity Red	0 - 65,535	0% - 100%
43-44		Intensity Green	0 - 65,535	0% - 100%
45-46		Intensity Blue	0 - 65,535	0% - 100%
47-48		Intensity White	0 - 65,535	0% - 100%
49-50	4	Master Intensity	0 - 65,535	0% - 100%
51-52		CCT	0 - 65,535	2000K - 10000K
53-54		Green Adjust	0 - 9 10 - 65,535	Neutral (0) Full magenta - Full green (-1.0 ~ +1.0)
55-56		Crossfade	0 - 65,535	0% - 100%
57-58		Intensity Red	0 - 65,535	0% - 100%
59-60		Intensity Green	0 - 65,535	0% - 100%
61-62		Intensity Blue	0 - 65,535	0% - 100%
63-64		Intensity White	0 - 65,535	0% - 100%
65	Fixture Setting (Not Specific to Any Pixels)	Fan Setting	0 - 9	Use fan setting of fixture menu
66			10 - 69	Silent (Fan speed fixed)
			70 - 129	Variable (Fan speed variable)
			130 - 189	Full speed (Fan speed fixed)
			190 - 255	Fan off (Fan is off)
		Dimming Setting	0 - 9	Use dimming setting of fixture menu
			10 - 99	Sharp dimming
			100 - 255	Smooth dimming
67-68	TBD	Reserved	TBD	TBD

Mode 22: CIE-x,y, 16-bit				
DMX	Pixel	Function	Value	Range
1-2	1	Master Intensity	0 - 255	0% - 100%
3-4		x	0 - 255	0 - 0.725
5-6		y	0 - 255	0 - 0.845
7-8	2	Master Intensity	0 - 255	0% - 100%
9-10		x	0 - 255	0 - 0.725
11-12		y	0 - 255	0 - 0.845
13-14	3	Master Intensity	0 - 255	0% - 100%
15-16		x	0 - 255	0 - 0.725
17-18		y	0 - 255	0 - 0.845
19-20	4	Master Intensity	0 - 255	0% - 100%
21-22		x	0 - 255	0 - 0.725
23-24		y	0 - 255	0 - 0.845
25	Fixture Setting (Not Specific to Any Pixels)	Fan Setting	0 - 9	Use fan setting of fixture menu
26			Dimming Setting	10 - 69
				70 - 129
			130 - 189	Full speed (Fan speed fixed)
			190 - 255	Fan off (Fan is off)
			0 - 9	Use dimming setting of fixture menu
			10 - 99	Sharp dimming
			100 - 255	Smooth dimming
27-28	TBD	Reserved	TBD	TBD