

# VL1100 LED

## Channel Mapping - Enhanced Shutters

September 12, 2017

DMX Channel	Parameter	Range DMX	Defaults	Description
1 2	<b>Intensity</b> High Byte Low Byte	0 - 65535	0	16-bit control of Fixture Intensity from 0 - 100%
3 4	<b>Pan</b> High Byte Low Byte	0 - 65535	32767	16-bit linear control of pan from 0°-540°.
5 6	<b>Tilt</b> High Byte Low Byte	0 - 65535	32767	16-bit linear control of tilt from 0°-270°.
7	<b>Edge</b>	0 - 255	127	8-bit linear control of edge functions.
8	<b>Zoom</b>	0 - 255	127	8-bit linear control of fixture zoom range between 0 (19°) to 255 (70°).
9	<b>Frost</b>	0 - 255	0	8-bit linear control of frost mechanism from 0 (No Frost) to 255 (Full Frost).
10	<b>Cyan</b>	0 - 255	0	8-bit control of Cyan color mechanism.
11	<b>Yellow</b>	0 - 255	0	8-bit control of Yellow color mechanism.
12	<b>Magenta</b>	0 - 255	0	8-bit control of Magenta color mechanism.
13	<b>Gobo Wheel</b>	0 - 255	0	8-bit control of Gobo Wheel.  0 → Open - No Gobo 18 → Gobo 1 (Index) 41 → Gobo 2 (Index) 63 → Gobo 3 (Index) 86 → Gobo 4 (Index) 108 → Gobo 5 (Index) 128 → Open - No Gobo 146 → Gobo 1 (Rotate) 169 → Gobo 2 (Rotate) 191 → Gobo 3 (Rotate) 214 → Gobo 4 (Rotate) 236 → Gobo 5 (Rotate)
14 15	<b>Gobo Rot/Index</b> High Byte Low Byte	0 - 65535  0 - 32756 32757 - 32780 32781 - 65535	32767  → → →	16-bit control of index and rotation of gobo wheel 1.  Rotate Fast to Slow <<< Rotation STOP Rotate Slow to Fast >>>
16	<b>Frame 1A</b>	0 - 255	0	Control of Framing Shutter 1A from Open (DMX 0) to Full (DMX 255).
17	<b>Frame 1B</b>	0 - 255	0	Control of Framing Shutter 1B from Open (DMX 0) to Full (DMX 255).

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18	<b>Frame 2A</b>	0 - 255	0	Control of Framing Shutter 2A from Open (DMX 0) to Full (DMX 255).
19	<b>Frame 2B</b>	0 - 255	0	Control of Framing Shutter 2B from Open (DMX 0) to Full (DMX 255).
20	<b>Frame 3A</b>	0 - 255	0	Control of Framing Shutter 3A from Open (DMX 0) to Full (DMX 255).
21	<b>Frame 3B</b>	0 - 255	0	Control of Framing Shutter 3B from Open (DMX 0) to Full (DMX 255).
22	<b>Frame 4A</b>	0 - 255	0	Control of Framing Shutter 4A from Open (DMX 0) to Full (DMX 255).
23	<b>Frame 4B</b>	0 - 255	0	Control of Framing Shutter 4B from Open (DMX 0) to Full (DMX 255).
24	<b>Frame Rotate</b>	0 - 255	127	Controls Framing Shutter mechanism from +/- 90°
25	<b>Fan Control</b>	0 - 255  0 - 3 4 - 255	0  → →	Dynamically control fan speed vs LED Output operation. Control values as follows . . .  Automatic fan/output adjustment (Default) Linear control of fan speed and LED max output. DMX 4 =Highest Constant Fan Speed DMX 255 = Lowest Constant Fan Speed
26	<b>Color Enhancer</b>	0 - 255	255	Adjustment of CCT and CRI for Tungsten Mode LED. 0 = Cooler CCT, Lower CRI output 255 = Higher CRI, Warmer CCT output  *This channel is unused when using VL1100LED HP.
27	<b>Focus Timing</b>	0 - 255	255	Adjustment of fixture timing to control Pan/Tilt mechanisms. - See Timing Channel Chart in User Manual
28	<b>Color Timing</b>	0 - 255	255	Adjustment of fixture timing to control color mechanisms. - See Timing Channel Chart in User Manual
29	<b>Beam Timing</b>	0 - 255	255	Adjustment of fixture timing to control beam shaping parameters. - See Timing Channel Chart in User Manual

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30	<b>Luminaire Control</b>	0 - 255	0	Control Channel used for full fixture settings, lamp controls, and miscellaneous modes. Set descreet value of desired effect, wait >3 seconds, then set value to 0 (Idle).
		0 - 5	→	Idle (Default)
		20 - 25	→	LED Instant Dim*
		30 - 35	→	LED Incandecent Dim*
		40 - 45	→	LED Match Output*
		50 - 55	→	LED Boost Output*
		81 - 87	→	Luminaire Reset
		100 - 104	→	ReCal Color
		113 - 117	→	ReCal Gobo/Index
		126 - 130	→	ReCal Zoom/Edge
		138 - 142	→	ReCal Shutters/Iris
				*Denotes 3 sec rule not used.