

DMX Operation

Channel Mapping

These tables assume a DMX start address of 1. When a different starting address is used, this address becomes channel 1 function and other functions follow in sequence. (There is only one DMX mode for this luminaire, which is Enhanced 16-bit Mode.)

Table 3-1: VL3000 Series Luminaire Enhanced 16-Bit Mode

DMX Channel	Parameter	Range
1	Intensity	0 - 255
2	Hi Byte Pan	0 - 65535
3	Lo Byte Pan	
4	Hi Byte Tilt	0 - 65535
5	Lo Byte Tilt	
6	VARI* <i>BRITE</i> ™ Mode	0 (closed) - 255 (open)
7	Zoom	0 (narrow) - 255 (widest)
8	CTO Mixer	0 (open) - 255 (full saturation)
9	Cyan (Blue) Mixer	0 (open) - 255 (full saturation)
10	Yellow (Amber) Mixer	0 (open) - 255 (full saturation)
11	Magenta Mixer	0 (open) - 255 (full saturation)
12	Color Wheel 1	0 - 216 / 217 - 255 (spins)
13	Color Wheel 2	0 - 216 / 217 - 255 (spins)
14	Strobe	0 (open) - 255 (max)
15	Aperture Wheel	0 - 216 / 217 - 255 (spins)
16	Focus Time	0 - 255
17	Color Time	0 - 255
18	Beam Time	0 - 255
19	Control Channel	0 - 255

Control Channel Functions

Control channel functions allow special actions such as reset, lamp on/off and partial recalibration. These must be executed with zero time transition or with timing disabled. Discrete values must be used; not manual controls such as faders or encoders (see chart below for values).



WARNING: Light Beam Projects Intense Heat

Do not illuminate objects within 3.5 m (11.5 feet) of the VL3500™ Wash Luminaire. Objects within this range can scorch, melt, or ignite from the heat projected by the light beam.

Reset - resets all luminaire mechanisms.

Lamp On or Lamp Off - switches lamp on or off.

Partial Recalibration - resets only the target mechanism (color, zoom, etc.) without affecting others.

Table 3-2: Control Channel Functions

Control Channel Function	Control Channel Value	Control Channel Value	
	% Value	DMX Value	
		For 3 Secs or Greater	After 3 Secs
Zoom Normal	24 - 25	60 - 65	0
Zoom Studio	27 - 29	70 - 75	0
Luminaire Reset	32 - 33	81 - 87	0
Lamp Off	65 - 67	165 - 171	0
Lamp On	98 - 100	249 - 255	0
Color Recalibration	39-40	100 - 104	0
Zoom/VARI*BRITE Recalibration	49-51	126 - 130	0
Dimmer/Strobe Recalibration	54-56	138 - 142	0
1500W lamp runs at 900W	69-72	176 - 184	0
1500W lamp runs at 1200W	74-76	189 - 194	0
1500W lamp runs at 1500W	78-80	199 - 204	0

To use control channel functions:

- Step 1. Select an action to be sent.
- Step 2. Set control channel value for desired action (for example, 84 for reset). Hold value for at least 3 seconds.
- Step 3. Set control channel value to zero. (This must occur without any scaling values. Action will be voided if other values are detected between action value and zero.)

Note: A numerical keypad is required for sending values. An encoder or fader does not allow for a quick value change, which is required to effect the control functions. However, the encoders on some consoles include discreet value capability.
