

**PRODUCT:** VLX™ Wash Luminaires

**SUBJECT:** Menu System - Error Message Reference Chart

### OVERVIEW

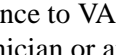
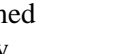
As previously announced in technical bulletin LSW-051 (VLX™ Wash Luminaire Software Release, dated 29 January 2010), Vari-Lite has included Error Messaging as part of the software (version 01/27/10, file name, VLX\_012710.bin). Below is a chart for users and owners to reference explaining all available error messages and their respective meanings.

If you have any questions as to any aspect of this Technical Notice, please contact Vari-Lite customer service at 1-877-VARILITE or +1-214-647-7880.



**Note:** This technical notice is for information purposes only. Owners and users are not required to inspect their luminaires.



**WARNING:** Any repairs or maintenance to VARI\*LITE® luminaires should only be performed by a trained and qualified service technician or at an Authorized VARI\*LITE® Service facility.

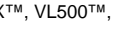
### VLX WASH LUMINAIRE ERROR MESSAGE REFERENCE CHART

Note: There are two ways to view Error Messages in VLX™ Wash Luminaires:

- Error Messages appear after the luminaire has completed its calibration routine.
- By accessing the Error Messages through the menu system [Fixture -> Status]



Error Message	Definition	Possible Causes
Error X of X <b>No LED Upload</b> Board Number X	Firmware version in LED Driver Board did not match firmware version in MCB. MCB will try to upload correct version of firmware three times. If, after the third try the versions do not match, the error will be displayed.	<ul style="list-style-type: none"> <li>• Faulty LED Driver Board</li> <li>• Faulty connection between LED Driver Board and Motherboard</li> <li>• Faulty Motherboard</li> <li>• Faulty comm between MCB and Motherboard (Multiple Errors)</li> <li>• Faulty MCB (Multiple Errors)</li> </ul>
Error X of X <b>No LED Comm</b> Board Number X	No response to the MCB from the LED Driver Board.	<ul style="list-style-type: none"> <li>• Faulty LED Driver Board.</li> <li>• Faulty connection between LED Driver Board and Motherboard.</li> <li>• Faulty Motherboard.</li> <li>• Faulty comm between MCB and Motherboard (Multiple Errors).</li> <li>• Faulty MCB (Multiple Errors)</li> </ul>
Error x of x <b>LED Overtemp</b> Board Number x	LED thermistor is measuring a temperature over 120° C at LED x.	<ul style="list-style-type: none"> <li>• Faulty Fan</li> <li>• Faulty LED Driver Board (fan driver)</li> <li>• High ambient operating temperature</li> </ul>
Error x of x <b>No LED Config</b> Board Number x	LED Driver Board X has lost its configuration. Configuration is needed to load currents, limits, logic, etc. LED module will not turn on without being configured.	<ul style="list-style-type: none"> <li>• Faulty LED Driver Board</li> </ul>

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<p>Error x of x <b>LED Comm Error</b> Board Number x</p>	<p>LED Driver Board X detected a communication error with MCB.</p>	<ul style="list-style-type: none"> <li>• Faulty LED Driver Board.</li> <li>• Faulty connection between LED Driver Board and Motherboard.</li> <li>• Faulty Motherboard.</li> <li>• Faulty comm between MCB and Motherboard (Multiple Errors).</li> <li>• Faulty MCB (Multiple Errors)</li> </ul>
<p>Error x of x <b>Thermal Fault</b> Board Number x</p>	<p>Open or shorted LED Thermistor.</p>	<ul style="list-style-type: none"> <li>• Faulty LED</li> <li>• Conductive debris (i.e., graph foil) shorting across LED Thermistor</li> <li>• Solder bridge at Thermistor leads on Driver board</li> </ul>
<p>Error x of x <b>No Sensor on Tilt</b></p>	<p>Tilt sensor flag fails to see optical sensor.</p>	<ul style="list-style-type: none"> <li>• Faulty Tilt Driver (No Movement)</li> <li>• Faulty Tilt Belt (No Movement)</li> <li>• Faulty Tilt Motor (No Movement)</li> <li>• Faulty Tilt Sensor (Movement of tilt to stop)</li> <li>• Faulty Tilt Sensor wiring (Movement of tilt to stop)</li> <li>• Faulty Tilt Encoder PCB (Movement of tilt to stop)</li> <li>• Tilt sensor tab not passing through sensor (yoke damage)</li> </ul>
<p>Error x of x <b>Encoder Error on Pan</b></p>	<p>Pan encoder value fails to change during calibration.</p>	<ul style="list-style-type: none"> <li>• Faulty Pan Driver (No Movement)</li> <li>• Faulty Pan Belt (No Movement)</li> <li>• Faulty Pan Motor (No Movement)</li> <li>• Faulty Pan Encoder (Movement of pan to stop)</li> <li>• Faulty Pan Encoder wiring (Movement of pan to stop)</li> <li>• Pan encoder wheel not passing through encoder (pan motor assembly)</li> </ul>
<p>Error x of x <b>Encoder Error on Tilt</b></p>	<p>Tilt encoder value fails to change during calibration.</p>	<ul style="list-style-type: none"> <li>• Faulty Tilt Driver (No Movement)</li> <li>• Faulty Tilt Belt (No Movement)</li> <li>• Faulty Tilt Motor (No Movement)</li> <li>• Faulty Tilt Encoder (Movement of tilt to stop)</li> <li>• Faulty Tilt Encoder wiring (Movement of tilt to stop)</li> <li>• Tilt encoder wheel not passing through encoder (tilt motor assembly)</li> </ul>

### CONTACT INFORMATION

For more information on this technical notice or on VARI\*LITE® products, please contact your Authorized VARI\*LITE® Dealer or Vari-Lite customer service.