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| QUESTION |  | ANSWER  |
|----------|--|---|
| 1        | <b>Is the VTL suitable for application in a car wash?</b>  | Typical car washes are a good application, subject only to the IP rating of the fixture. VTL's IP65 rating certifies resistance to water jets at 30kPa pressure at a distance of 3m, a volume of 100L/min. & a test duration of 3 minutes. This level of resistance is usually sufficient for applications that aren't subjected to direct hose-down of powerful jets ( <i>ex: 100 kPa pressure</i> ).  |
| 2        | <b>Is the VTL suitable for application in a paint booth?</b>   | A wide variety of luminaires are used in paint booths depending on several factors. The VTL is a good choice for simple paint booths where combustible particles or gasses are not present. The VTL does not have a hazardous location classification or rating, however, and should not be used in applications where one is required.   |
| 3        | <b>Can the VTL be wall-mounted?</b>  | The VTL was designed and tested for ceiling mounting. Wall mounting, while technically possible, would require a set of rigid galvanized steel mounting brackets ( <i>special order item</i> ). Because the VTL lens seal was designed and tested for ceiling mounting, wall mounting is not advised for wet locations.   |
| 4        | <b>What impact ratings does the VTL carry?</b>   | The VTL was designed for moisture, dust, and debris ingress protection. A product specifically designed for vandal-resistance would be more appropriate for vandal and impact-prone applications although even these luminaire types typically do not carry formal impact ratings.  |
| 5        | <b>Would field installation of a photocell void the fixture warranty.</b>                              | Proper installation of a UL recognized photocell component using an available VTL housing end wiring hole would not void the VTL warranty. Preservation of the VTL's wet location, IP65 rating would require that the photocell also carry wet location & IP65 ratings and be adequately sealed to the housing opening.   |
| 6        | <b>Can the VTL be used with an occupancy sensor?</b>   | Although ULT does not offer the VTL with a factory- installed occupancy sensor at this time, 3rd party occupancy sensor assemblies are available that mount to standard wiring holes like the one provided on the ends of the VTL. See #5 answer above.   |
| 7        | <b>Are step-dim or bi-level options available for the VTL?</b>   | Although step-dim and bi-level options are not available for the VTL at this time, the 0-10V control wires of the VTL's driver allow dimming control from standard 0-10V control systems.   |
| 8        | <b>How many VTLs can be connected to a single 0-10V control loop in a dimming control application?</b> | It depends on the control loop current sinking capacity of the control device used, companion control loads in the loop ( <i>ex: non-ULT</i> ) and the wire gauge and length of the control loop. ULT drivers deliver approximately a 160 $\mu$ A control current. The control device must be able to support the current of all connected devices. Most control systems can support 50-60 of such devices per control loop but be wary of any companion loads on the control loop, as some manufacturers deliver up to 10x that current. |
| 9        | <b>Can the VTL be cable or pendant mounted?</b>  | VTL comes standard with stainless steel mounting brackets that clip to the housing. The bracket is suitable for surface mounting, suspension mounting using allthread, or bolting to a structural member like a truss ( <i>screws/bolts by others</i> ). A heavy-gauge galvanized steel mounting bracket is available by special order for cable or chain mounting ( <i>cable and chain kits by others</i> ).   |

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| 10       | Can holes be field-drilled in the back of the VTL housing for pendant mounting or wire input?                | ULT strongly discourages field-drilling of holes in the VTL housings for several reasons including risk of compromising the housing seal. Doing so voids the warranty. A back hole can be provided by special order in the rare instances where this is required.   |
| 11       | What is the most popular color temperature for vapor tight fixtures?   | 4000K color temperature is often most popular for luminaires like the VTL in more “industrial” applications. The VTL is available in 3500K, 4000K and 5000K CCTs.   |
| 12       | Is view of the diodes bright and pixelated through the lens?   | The VTL lens is molded from frosted acrylic in a contoured shape with a linear prism pattern. Diode pixilation and brightness is diffused over the surface of the lens for increased visual comfort.  |
| 13       | Will the VTL lens yellow over time?  | Lens yellowing is predominantly found in polycarbonate lenses exposed to high doses of UV light over time. The VTL lens will resist yellowing because it is made of acrylic. Further, LED sources produce virtually no UV light, unlike fluorescent.  |
| 14       | 1st Edition Draft Everline VTL Q&A - 031215.pdf  | The ULT light engines used in the VTL are very efficient. Extensive thermal testing was conducted to verify adequate thermal transfer between the LED modules and the gear tray to which they are mounted. Long diode life is provided without the need for an additional heat sink.  |
| 15       | Can the VTL be used to provide emergency lighting?   | A factory-installed integral emergency lighting option is not available for the VTL at this time although several are available for field installation from a number of 3rd party suppliers. The VTL can also be connected to a building backup generator or inverter circuit by others to provide light in an emergency condition. |
| 16       | Is the VTL listed on the DesignLights Consortium® (DLC) qualified products list?                             | Most VTL products are DLC qualified. Check specification sheets or <a href="http://www.designlights.org/qpl">www.designlights.org/qpl</a> for current status. DLC qualified products are eligible for many utility rebates. See <a href="http://www.dsireusa.org">www.dsireusa.org</a> for more information rebate programs.        |
| 17       | In the unlikely event of a driver failure under warranty, will ULT replace the driver or the entire fixture? | In the event of a warranty failure, ULT would provide a replacement driver.   |