Using Vive for exterior daylight control is possible when applying a WLCU301-CPN6814 and Daylight Control Package (GRX-CESO-xxx PKG). In this use case, the Daylight Control Package allows Lutron lighting control systems (such as Vive) to respond to ambient light levels in an outdoor application. The WLCU301-CPN6814 takes the wired sensor input from the Daylight Control Package and transmits Lutron Clear Connect commands back to the Vive system, similar to a Radio Powr Savr daylight sensor – see Wiring Diagram and Connections Table for details.

Note that unlike the Radio Powr Savr daylight sensor (LRF2-DCRB-WH), the Daylight Control Package features only adjustable on and off, and not continuous dimming.

**Wiring Diagram**
Connections Table

<table>
<thead>
<tr>
<th>WLCU301-CPN6814</th>
<th>LC8 Controller</th>
<th>CES/O-12/24-0-10 Sensor</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pin 1</td>
<td>Yellow</td>
<td></td>
</tr>
<tr>
<td>Pin 4</td>
<td>Black</td>
<td></td>
</tr>
<tr>
<td>Pin 5</td>
<td>Red</td>
<td></td>
</tr>
<tr>
<td>24 V</td>
<td>Pin 7</td>
<td></td>
</tr>
<tr>
<td>Occupancy</td>
<td>Pin 8</td>
<td></td>
</tr>
</tbody>
</table>

Additional Notes

1. See the Daylight Control Package Specification Submittal (P/N 369746) for programming details for setting thresholds on an LC8 controller on www.lutron.com.

2. While the WLCU301-CPN6814 is programmed as an occupancy sensor in a Vive system, it should be the only occupancy sensor in the area.

3. Do NOT combine two controls with a time clock in the same area. See the Design Recommendations When Using Multiple Control Strategies App Note #629 (048629) at www.lutron.com for more information.

4. Light level is established through the WLCU301-CPN6814 occupancy sensor settings.

5. When interfacing to a Lutron system, the N.C. contact will turn the lights ON (contact closure CLOSE) when the daylight levels are low and the lights turn OFF (contact closure OPEN) when the daylight levels are high.

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