



QUESTION		ANSWER
1	<b>WPL13's maximum wattage is 35W (3,200 lm). Is this high enough?</b>	The vast majority of wall pack luminaires are applied to mounting heights of 8-16'. The WPL13 was engineered for these applications as an alternative to 50-200W MH or 35-150W HPS HID equivalents.
2	<b>What is the WPL13's optical distribution?</b>	Outdoor luminaire distribution is defined by light distribution to the front ( <i>distribution "type"</i> ) and sides ( <i>"range"</i> ). Most models of the WPL13 produces a Type IV distribution in a Very Short range without the accessory cutoff shield and a Type III distribution in a Very Short range with the shield. The WPL13's distribution is optimized for most wall pack applications and is substantially more uniform than most HID wall packs and many LED wall packs in use today.
3	<b>What is a BUG rating and how is this pertinent to the WPL13?</b>	BUG stands for "Backlight", "Uplight" and "Glare" and is a system developed by the IESNA to support evaluation and comparison of outdoor luminaires. The "U" rating is most pertinent to wall-mounted luminaires, as it relates to limitation of uplight. WPL13 carries a "U" rating of 3, which is lowered to 1 by use of the accessory cutoff shield. BUG ratings are sometimes a criterion for lighting ordinances, utility rebates or specification compliance. The IDA/IES Model Lighting Ordinance ( <i>MLO</i> ), for example, allows U3 luminaires in Lighting Zone 3 ( <i>where moderately high ambient lighting is present</i> ) and U1 luminaires in Lighting Zone 1 ( <i>where low ambient lighting is present</i> ).
4	<b>What are the BUG requirements of California's Title 24?</b>	Title 24's BUG requirements vary by Outdoor Lighting Zone depending on the amount of ambient light. <ul style="list-style-type: none"> <li>• LZ1 Applications (<i>low ambient light</i>): Require U1/G1 luminaires</li> <li>• LZ2 Applications (<i>moderate ambient light</i>): Require U2/G2 luminaires</li> <li>• LZ3 (<i>Moderately high ambient light</i>): Require U3/G3 luminaires</li> <li>• LZ4 (<i>High ambient light</i>): Require U4/G4 luminaires. Title 24 does not impose Backlight BUG requirements.</li> </ul>
5	<b>What is the most popular color temperature for wall packs?</b>	4000K color temperature is often most popular for outdoor LED luminaires. Although some feel that it is too cold and harsh, 5000K is also common outdoors, as it is more consistent with previous Metal Halide lamps. The WPL13 is available in both 4000K and 5000K CCT.
6	<b>When should I use an acrylic lens vs. a polycarbonate lens?</b>	Acrylic transmits slightly more light and resists degradation due to UV light. Polycarbonate is less brittle, with improved impact resistance.
7	<b>Don't polycarbonate lenses yellow?</b>	Although polycarbonate lenses are susceptible to yellowing over time due to UV light, most UV exposure in luminaires has been from UV-producing Metal Halide and Fluorescent light sources. Because LED sources produce virtually no UV light, polycarbonate lenses in LED fixtures are far less susceptible to yellowing.
8	<b>Are daylight controls required for outdoor luminaires?</b>	Outdoor control requirements vary by jurisdiction. Those based on the IDA/IES Model Lighting Ordinance ( <i>MLO</i> ), for example, require controls that prohibit operation when sufficient daylight is present. California's Title 24 similarly requires automatic daylight controls for all outdoor lighting. The WPL13's DS1 and DS2 daylight sensor options are provided for this need although connection to an astronomical clock or energy management system usually also provides compliance.



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9	<b>Would field installation of a photocell void the fixture warranty.</b>	The factory-installed photocell option ( <i>DS1 or DS2 suffix</i> ) is preferable and far easier for the contractor. However, proper installation of a UL recognized, wet location, IP66 rated ( <i>or better</i> ) photocell component using an available WPL13 housing knockout would not void the WPL warranty.
10	<b>Why must I specify the voltage (120V or 277V) for the DS daylight sensor option? I thought that the WPL13 was universal voltage 120-277V.</b>	Although WPL13's driver is universal voltage, button photocell components are voltage dependent.
11	<b>Are dimming, step-dim, or bi-level options available for the WPL13?</b>	Step-dim and bi-level options are not available at this time. Although the WPL13 utilizes a dimming driver, the product is not presently listed for dimming use due to wire routing requirements. Dimming is rarely required for wall packs. In the case of critical need, ULT would consider an Engineered-To-Order solution.
12	<b>Can the WPL13 be used with an occupancy sensor?</b>	Although ULT does not offer the WPL13 with a factory- installed occupancy sensor at this time, 3rd party occupancy sensor assemblies are available that can be field-mounted to available knockouts on the top of the WPL13 ( <i>see #9 answer above</i> ) or on a separate j-box mounted near the WPL13 by the contractor. Such an occupancy sensor should be capable of line voltage on/off switching of the WPL13, as bi-level and dimming is not presently available ( <i>see question #11</i> ).
13	<b>How does the WPL13 comply with California's Title 24 control requirements?</b>	California's Title 24 requires that all outdoor luminaires mounted within 24' of the ground have occupancy sensing capability to reduce power consumption to 40-80% of normal when unoccupied. Non-pole- mounted luminaires ≤30W ( <i>WPL 10L, 14L, &amp; 23L</i> ) are exempted from this requirement. Occupancy sensing is also not required for outdoor luminaires mounted >24' above the ground. ULT is presently evaluating additional solutions for the 27L and 33L models for the future.
14	<b>Is view of the diodes bright and pixelated through the lens?</b>	The WPL13 lens is injection-molded in a prismatic pattern and the LED board is mounted at an angle. Diode pixilation and brightness is diffused over the surface of the lens for increased visual comfort.
15	<b>Can the WPL13 be used to provide emergency lighting?</b>	An integral emergency lighting option is not available for the WPL13 at this time. The WPL13 can provide emergency lighting if connected to a building backup generator or inverter circuit by others.
16	<b>Is the WPL13 listed on the DesignLights Consortium® (DLC) qualified products list?</b>	Most WPL13 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	<b>In the unlikely event of a driver failure under warranty, will ULT replace the driver or the entire fixture?</b>	In the event of a warranty failure, ULT would provide a replacement driver.