

Early Version EcoSpot Strobe Mode Failures.

- Subject:** Over-voltages from high voltage transmission lines, or other nearby source, in excess of the LED specification may cause early version EcoSpot LED(s) to fail as a short.
- Problem:** Strobing , or blinking LEDs.
- Inquiry:** Why have some Clearlight EcoSpots, located in certain geographical regions, failed in a strobing mode?
- Result of Analysis:** Several EcoSpots were returned to Evluma after failing in a strobing, or blinking mode. Most of these failures came from similar geographic regions and had been in operation for several months prior to failing. After the careful examination of the returned units, Evluma determined the root cause of this failure mode was the result of induced charges from a high voltage transmission line, or other nearby source, creating an electrical field that coupled into the standard 120V electrical system. The coupling of these charges with the existing current presented a total voltage to the LEDs that exceeded their specification. This caused the LED(s) to fail as a short and the LED driver to go into a restart mode. With the LED driver in a restart mode, unaffected LEDs begin to blink. This possible failure mode exists only for EcoSpot versions prior to Revision F07.
- Corrective Action:** A simple change to the chassis grounding scheme, implemented at Revision F07, has eliminated this failure mode.

The owner of a Revision F06, or earlier, EcoSpot, PN 46505625, that has failed in the manner described above may request a Return Material Authorization Number (RMA#) to authorize the product for return.

To Return a Product for Replacement:

1. Contact Evluma for an RMA#. Contact: Cathleen Shattuck: 206-720-1798 ext 108, or email: cshattuck@evluma.com.
2. Provide the SN of the EcoSpot and a description of the problem. Please also provide the original Sales Order number or Purchase Order number if available.
3. Write the RMA number on the outside of the box.
4. Ship the item to:

Evluma. Returns Department
624 Rainier Ave South
Seattle, WA 98144

