

**Products Affected:**

CTI# 5520 WDS Dimmer

**Overview:**

**Current versions of the 5520 Dimmer have different dimmer curves than older versions**

**Details:**

5520 Firmware version 2.3 includes improvements in the ISL incandescent dimmer curve that cause it to be different than previous releases. Differences in level are most obvious in the low end of the dimming curve. Shows using 5520s with earlier versions of the firmware may need to upgrade their Dimmers or use units configured with the earlier version when replacing or adding 5520 Dimmers to the system. Version 2.3 was implemented in Nov. 2007.

The recommended earlier version is Version 1.5.

Version 2.3 Dimmers are provided with four dimming curves including the LED curve, while earlier versions (including Version 1.5) have three curves and do not provide the LED curve.

Firmware version 2.3 also requires hardware modifications, which must be reversed in new units being backed down to Version 1.5. The reverse modifications are as follows:

- 1) Re-install Q1 (2N3906) after removing all shorting jumpers.
- 2) Change R11 to 20K
- 3) Update software in U1 and U4 to older version.

All of these version 2.3 changes are documented in ECO # 1024.