

Incompatible Dimmable LED Drivers with ILC 0-10VDC Dimming Controllers

The use of ILC 0-10VDC dimming products with non-isolated LED driver/ballast circuits is not recommended and is considered incompatible.

Damage caused by interfacing a non-isolated LED drivers is not covered by the ILC warranty.

The ILC 0-10VDC dimming control devices are designed for a sinking type control, and are listed as a Class 2 control device. These devices should only be connected to a Class 2 rated LED drivers or ballasts.

LED drivers that do not provide isolation could allow a potential voltage between the main power source (120/277VAC) and the 0-10VDC control circuit.

The ILC dimming control electronics are designed to sink up to 50V without damage to the ILC electronics. Transient voltages from a non-isolated driver could be as high as 120V or higher.

Replacement or repair of the ILC 0-10V dimming device or electronics under this condition is not covered by the warranty and would be subject to non-warranty replacement costs.

Example:

Phillips Xitanium products are available in a isolated and non-isolated version. Typically identified by the letters "DO" at the end of the model number. Non-isolated drivers are typically a "DN" or "DL" version and would be considered incompatible.

Please refer to the manufactures ordering data sheet and select isolated LED drivers to insure compatibility with ILC class 2 control electronics.