

## Lutron Hi-Lume Dimming Option

### History

Lutron originally developed its Hi-Lume 1% Dimming ballast for use with fluorescent and compact fluorescent dimmer controls. It is a 3-wire system that has a separate line voltage wire that carries the phase control signal separate from the power wires. Hi-Lume drivers dim down to 1% of initial lumens, are more precise and more immune to electrical noise.

### Where Used?

LITON offers Hi-Lume drivers in many of its General Purpose, Mini-Arc and Architectural LED products and are specified as “-DHL” when ordering.

### Synonymous Terms:

Hi-Lume, 3-Wire

### Benefits

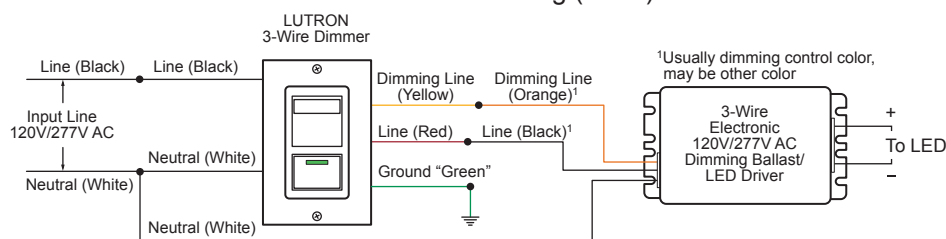
- Allows smooth, continuous dimming down to 1% of initial lumens depending on dimming control limitations.
- Lutron's Hi-Lume LED driver is compatible with more Lutron dimmers than any other brand and also compatible with their EcoSystem control system.
- Backed by Lutron's 5-year Limited Warranty.

### Limitations

- Compatible Lutron wall dimmers can be more expensive than electronic low voltage, incandescent or magnetic low voltage dimmers.
- All Lutron Hi-Lume drivers and compatible dimmers are 3-wire, requiring a neutral wire. This could necessitate pulling additional wire.
- The “-DHL” option should not be used with incandescent dimmers because doing so could cause any of the following malfunctions: dimmer buzz, lamp flicker, interaction between circuits or radio frequency interference (RFI).

### -DHL Wiring Diagram

#### -DHL: Lutron 3-Wire Fluorescent Dimming (120V)



**Partial list of factory tested, compatible dimmers:**  
 (See next page for the Lutron Compatibility Report Card)

Manufacturer	Style	Model
Lutron	NovaT	NTF-10-277
Lutron	Skylark	SF-12P-277
Lutron	Vierti	VTF6A