



## Why Would I Need an LDS-120V?

This smart electronic load resistor is the best solution for your LED fixtures and bulbs having issues turning off completely and flickering at certain dim levels. We have found that by installing a small device (**LDS-120V**) in parallel with the LED load it frequently eliminates these problems.

## RATINGS

120VAC, 1.8W

LED Max Load if LDS installed in box behind dimmer

400W if (1) LDS installed in single-gang box

300W if (2) LDS installed in single-gang box

400W if (2) LDS installed in double-gang box

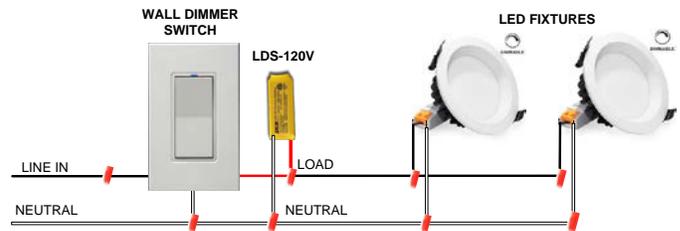
## INSTALLATION

**Note:** Installation must be carried out by a qualified electrician only. The circuit breaker must be turned off during installation. Installation must be carried out in accordance with all applicable codes and requirements, including, but not limited to, the National Electrical Code (NEC).

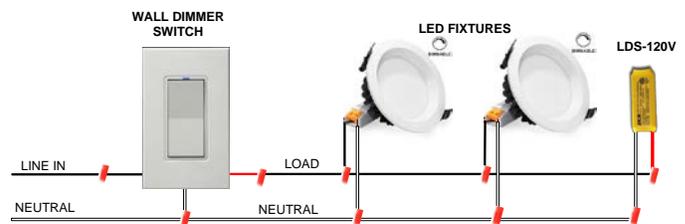
1. Turn off the power at the main breaker panel.
2. Locate the load (red) and neutral (white) wire. Install behind dimmer location or at LED fixture location.
3. Install the LDS-120V between the two wires (Figure 1). The LDS-120V may be wired in either direction of the leads but it has to be **PARALLEL** with the LED light.
4. Use appropriate wire nuts to make a solid electrical connection. Secure the wires and placement of LDS-120V.
5. The LDS-120V has high resistance, dissipates 1.8W and is designed to be directly wired across 120VAC.

## WIRING DIAGRAMS

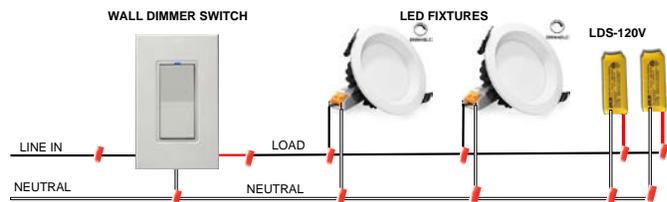
### LDS-120V CONNECTED AT DIMMER



### LDS-120V CONNECTED AT FIXTURE END OF CIRCUIT



### MULTIPLE LDS-120V CONNECTED



## NOTE:

Please note the load resistor is installed in **PARALLEL** with the LED. This means the load resistor is wired between the switch load wire (RED) and neutral wire (WHITE). If the load resistor is incorrectly installed in **SERIES** with the load, the LED will stay off. This will not hurt the load resistor or the switch or the LED, but the LED will never go on.

### LDS-120V CONNECTED IN SERIES - INCORRECT

