Dimming Stabilizer Frequently Asked Questions

Is this just for LED fixtures or does it also work with fixtures where incandescent or CFL bulbs were replaced with LEDs?
The dimming stabilizer is designed to work in both cases

Do I need a "LED Compatible" dimmer?
You do not need a LED Compatible dimmer. Any dimmer that you used with incandescent lighting will work with the addition of the LED Dimming Stabilizer.

What is the difference between the yellow and blue models and which should I use?
There are a myriad number of LED fixtures and dimmers. Unfortunately, there is no standard for how each operates. As such, there is no one method that works in all cases. Because of this we developed two different models to improve dimming with a wide variety of fixture and dimmers. We can't say which works best in each specific situation so we recommend installing each one in turn and leaving in place the one that works best.
Over time, you will probably install the same fixtures and dimmers in multiple jobs so you will find that you will be mostly using the same dimming stabilizer model.

Should I use one or two in the circuit?
You can use one or two dimming stabilizers installed with a lighting circuit. Wherever you install one, you can install two. In some cases this improves dimming and in other cases it doesn't. Because of the number of different fixtures and dimmers we suggest you start with the yellow model and if that doesn't improve dimming then try the blue model. If still problems, try two yellow in the circuit, and finally, two blue in the circuit.
If all that doesn't work then you may need to consider a different fixture, dimmer, or combination.

How large is the dimming stabilizer?
It's not very big and can easily be placed in the same wall box as the dimmer switch.

Does the dimming stabilizer work on non-LED fixtures?
No. The dimming stabilizer is useful only with LED fixtures or fixtures with LED bulbs.

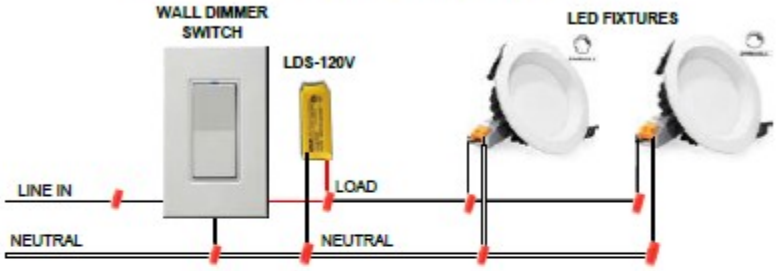
What sort of dimming problems happen without the Load Stabilizer?
You will know it when you see it! What typically happens is that dimming works fine down to a certain level – different for different fixtures and dimmers – and then the light starts to strobe on and off. It will be very noticeable and very annoying.
Will it fix dimming problems with all fixtures and dimmers?
We hope so and you will find that in many cases the dimming stabilizer will do exactly that. However, there are many different LED fixtures and many different dimmers. We have tested the dimming stabilizer with many fixtures, dimmers, and the combinations of the two. But no one could test them all to verify what happens with each combination. We suggest that you get a sample package and try it out and see if dimming issues with your specific fixture and dimmer are resolved.

How is it installed?

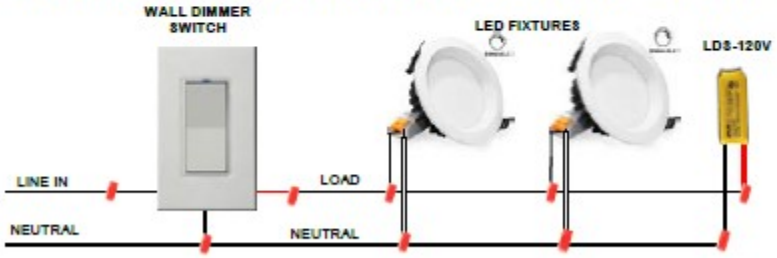
As it says in the installation instructions that come with it, the dimming stabilizer is installed in parallel with the fixture load. You can install it at the dimmer location – in the same wall box as the switch – or at the load location.

WIRING DIAGRAMS

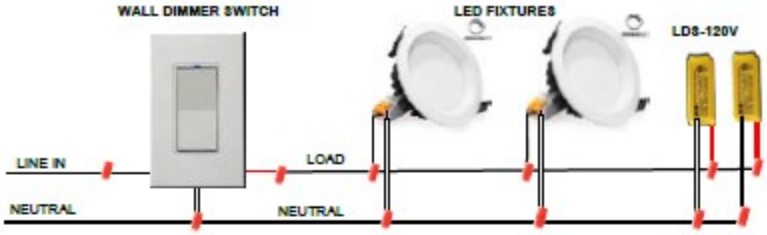
LDS-120V CONNECTED AT DIMMER



LDS-120V CONNECTED AT FIXTURE END OF CIRCUIT



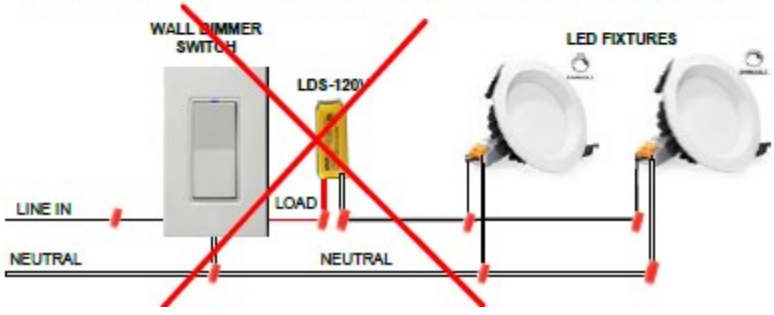
MULTIPLE LDS-120V CONNECTED



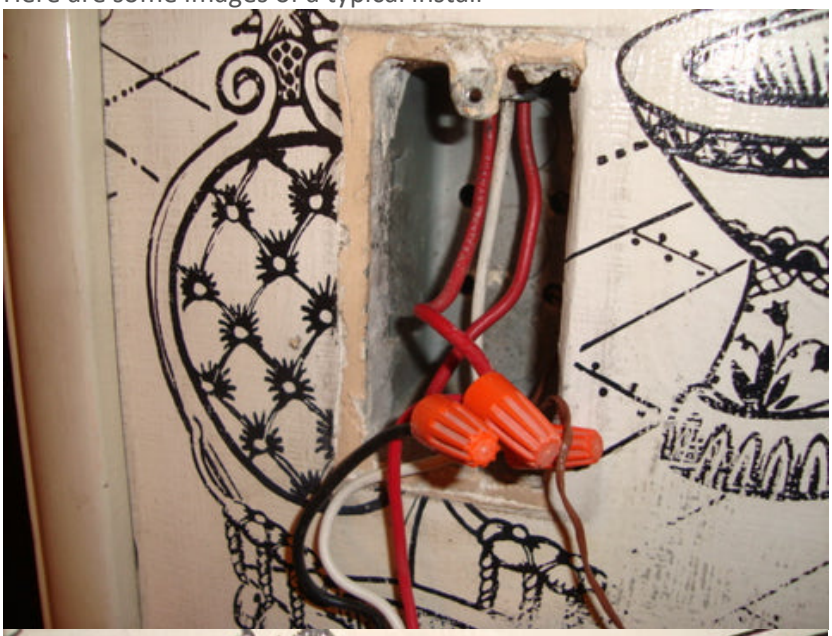
NOTE:

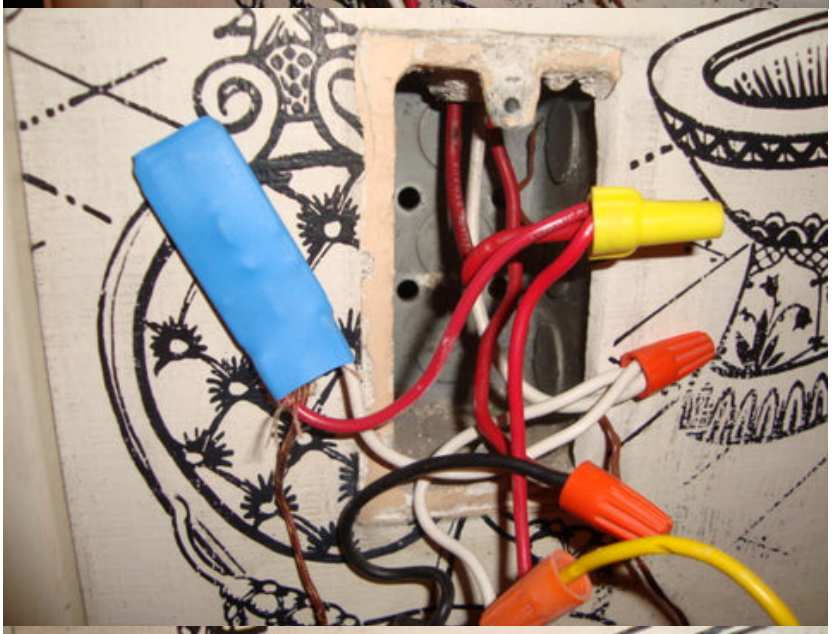
Please note the load resistor is installed in **PARALLEL** with the LED. This means the load resistor is wired between the switch load wire (RED) and neutral (WHITE). If the load resistor is incorrectly installed in SERIES with the load, the LED will stay off. This will not hurt the load resistor or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

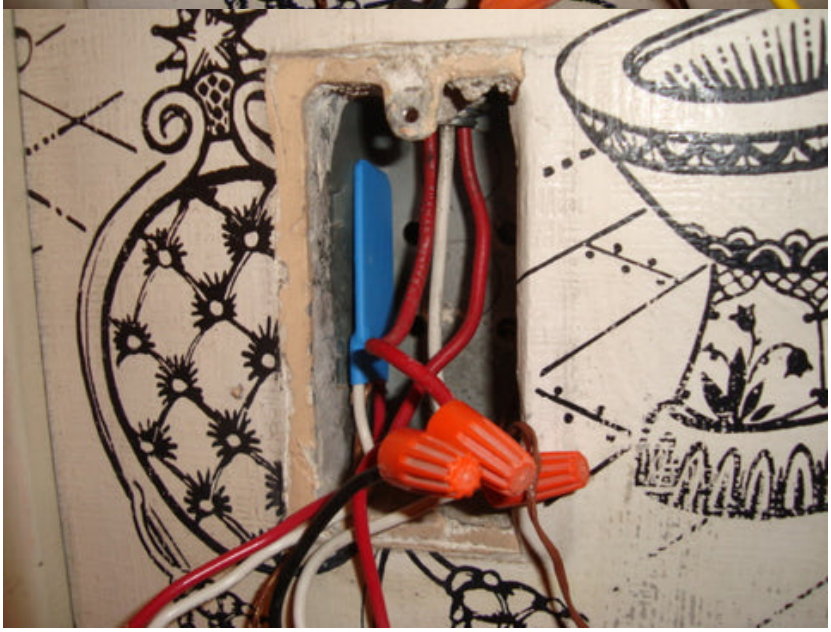
LDS-120V CONNECTED IN SERIES - INCORRECT



Here are some images of a typical install







Read the full instructions.

Can it be installed in the same box as the dimmer or near the fixture?
It can be installed in either location that is the most convenient for you. The small size of the dimming stabilizer makes it possible to put in the same box as the switch in almost all cases.
Is there a limitation of the wattage of the lights connected to the dimmer?
Yes, but it is not a difficult limitation:

- 400W if 1 load stabilizer is installed in a single-gang box
- 300W if 2 load stabilizers are installed in a single-gang box
- 400W if 2 load stabilizers are installed in a double-gang box

In use the dimming stabilizer gets warm. Is that a problem?
No. When operating, it dissipates about 1.9 watts.

When installed in the same box as the dimmer does it need much space? The box is full as it is.
You have the option to install the dimming stabilizer in the box with the dimmer or at the load. Whichever works best for you. We have found that the small size (see image above) makes it easy to place flat against the dimmer or side of the box when installing.

I have multiple dimmers in a multi-gang box. Can I use the dimmer stabilizer on more than one dimmer when installed this way?
Yes, if you limit to the maximum load wattage for each dimmer. These are:

- 400W if 1 load stabilizer is installed with the dimmer
- 300W if 2 load stabilizers are installed with the dimmer

As you know, there are installation limits on load wattages when more than one dimmer is installed in a multi-gang box. Inclusion of the load stabilizer doesn't have enough effect to change those limitations.

How much heat is dissipated by the Dimming Stablilizer?
The heat dissipation is 1.9 Watts for both models and is safe to put in a single gang box alongside the switch. It may seem hot, but even a 2W light bulb is too hot to hold in your hand for very long.

Does the Dimming Stabilizer incorporate safety features?
Yes. Both models have a .15A current fuse and a 193 degree C thermal fuse.

Is the Dimming Stabilizer listed with a Testing Organization like UL?
The products are ETL listed. UL and ETL are both what are called Nationally Recognized Testing Laboratories (NRTL). NRTLs are in place to provide independent safety and quality certifications on products. UL develops the testing standards and tests to them. ETL tests to UL standards.

How can I tell if the Dimming Stabilizer is functioning?
If it is warm, then it is working. If cold, then one of the fuses has opened.

I tried it the dimming stabilizer in my situation and it did improve dimming but there still are problems. What do you recommend?
You can use one or two dimming stabilizers installed with a lighting circuit. Wherever you install one, you can install two. In some cases this improves dimming and in other cases it doesn't. Because of the number of different fixtures and dimmers all we can suggest is that you try each model and if either solves the dimming problem then use that. If there still are problems try doubling up and using two.
If all that doesn't work then you may need to consider a different fixture, dimmer, or combination.

Any guarantee if it doesn't work for me?
If you try both model dimming stabilizers and you tried doubling up with two of the same model, and you are still seeing an unacceptable level of flickering, then you can return the product for a full refund.