

Remedy for Barrina LED Flashing

Barrina LED tubes are convenient replacements for fluorescent tubes. Simply, remove the ballasts from the fixtures and wire 110 vac to each end of the Barrina tubes and you have nice, LED light without the wasted energy of ballasts. Out of about 20 Barrina tubes I installed about seven years ago (2019), three began to flash rhythmically. Such a failure suggested a problem in the power supply. Well, gee whiz, Sherlock, it's either the power supply or the LED lights!

It turned out that replacement of a simple, inexpensive component resolved the problem. Below are the details.



Figure 1

Remove the two small screws on the end of the tube with the Barinna logo and other information. Carefully slide the led and circuit board out about eight inches as shown in Figure 1.

Then, as shown in figure 2, slide the white shroud back into the tube. The faulty component is the small, blue, 4.7mfd, 50v capacitor next to the brown capacitor. Simply, replace this capacitor with something close (I have used 2mfd and 10mfd with no issues) and the flashing will be gone.

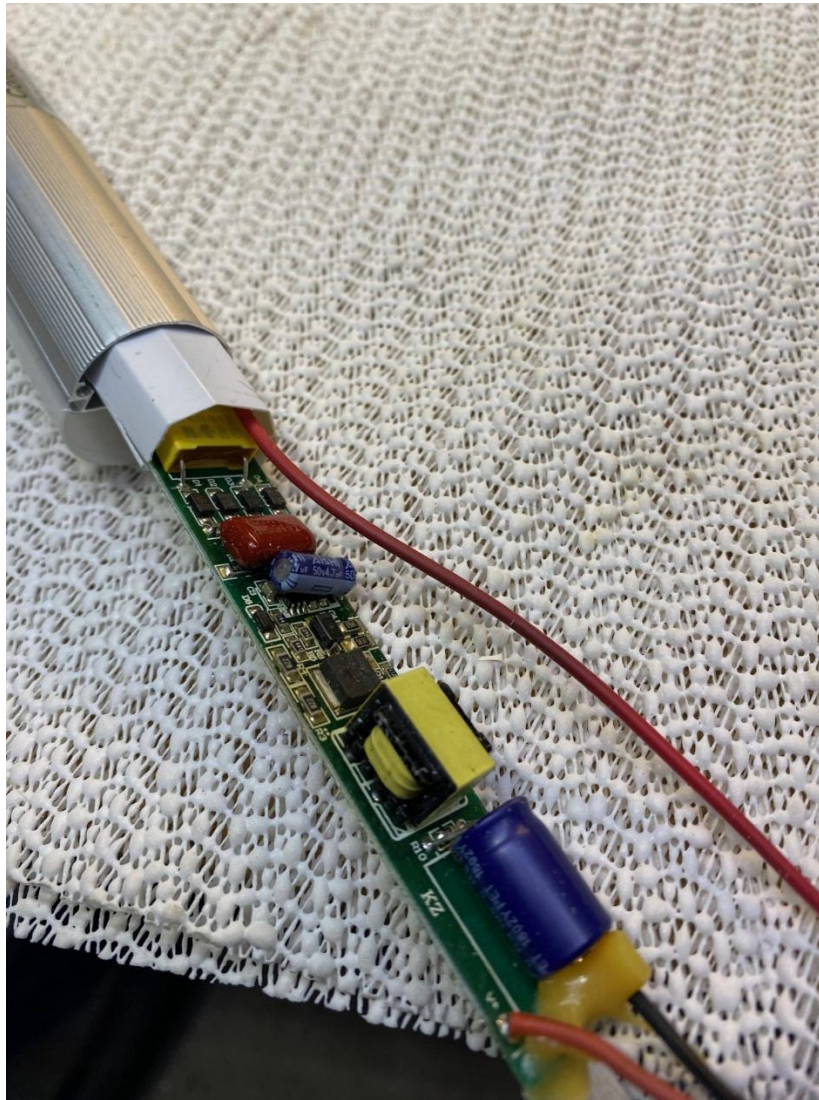


Figure 2