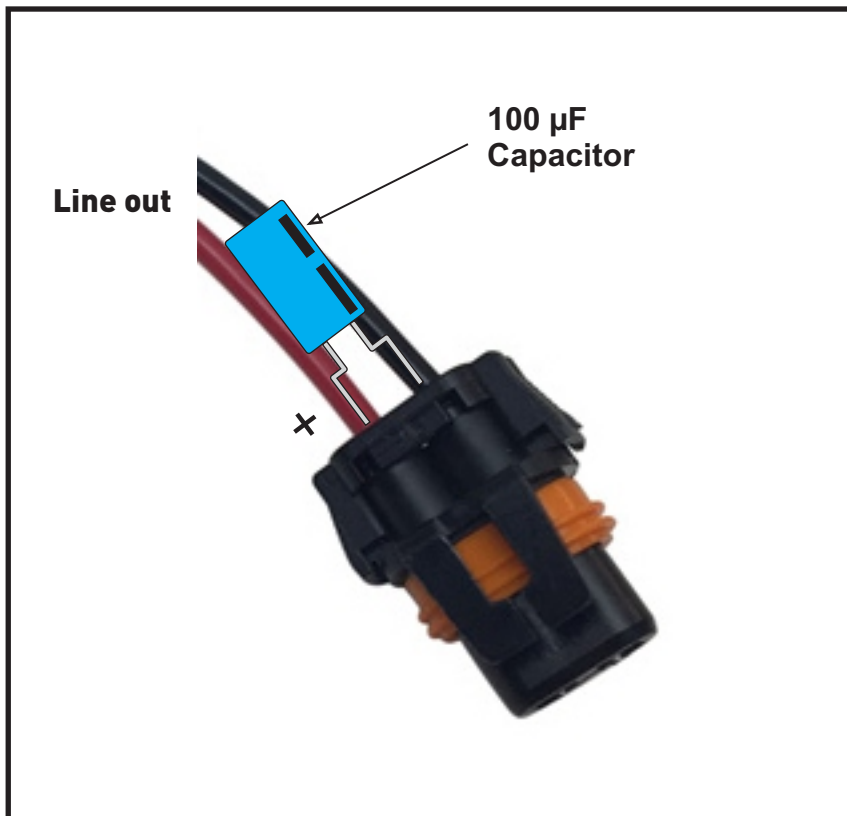


Flickering of some LED lights when connected to a Trigger controller.

Cause: The Trigger controller uses transistors to activate each circuit and to dim it turns the transistor on and off at different speeds. Even when not dimming, the timing circuit is active. Some LED lighting uses a similar system to control temperature internally on the lights. The circuit from the Trigger can cause timing issues with the LED lights that make them “flicker” under certain circumstances.

Fix: A capacitor wired between the positive and negative wires on the connector going to the light will eliminate this condition. We have successfully tested using 100 μ F capacitors, but it may require more than one in series or a larger capacitor to eliminate the issue.



Capacitor Specs:

Product Category: Aluminum Electrolytic Capacitors - Leaded
RoHS: Details
Product: Low Impedance Electrolytic Capacitors
Termination Style: Radial
Capacitance: 100 μ F
Voltage Rating DC: 25 VDC
Tolerance: 20 %
Ripple Current: 340 mA
Minimum Operating Temperature: - 40 C
Maximum Operating Temperature: + 105 C
Diameter: 6.3 mm
Length: 11 mm
Lead Spacing: 2.5 mm
Lead Style: Straight
Life: 5000 Hour
Series: UHE
Type: High Reliability Aluminum Electrolytic Capacitor
Brand: Nichicon
Leakage Current: 25 μ A
Dissipation Factor DF: 0.14
Product Type: Electrolytic Capacitors
Factory Pack Quantity: 2000
Subcategory: Capacitors