



LED Flasher Options

LED turn signals usually require an updated flasher to work properly. Most flashers require a minimum of 2 or more incandescent bulbs to flash correctly. That is 3.5 to 4 amps for proper operation. An incandescent turn signal bulb uses about 1.8 amps while an LED turn signal uses 0.25 to 0.45 amps. One incandescent bulb and one LED turn signal don't draw enough amperage for the flasher to work correctly. They usually will turn on and stay on.

Below is a list of flashers that have worked with LED turn signals. You can cross reference these parts to others that should work.

CEC electronic flashers will flash one or more LED lights. Negative ground systems only. Makes clicking sound while flashing.

CEC EF32RL	(2 pin)
CEC EF33RL	(3 pin)

BUSSMANN electronic flashers require the equivalent electrical load of 1 incandescent. These flashers can be used in negative or positive ground systems. Makes clicking sound while flashing.

Buss 232	(2 pin) 1 LED and 1 incandescent bulb
Buss 233	(3 pin) 1 LED and 1 incandescent bulb

TRIDON flashers require the equivalent electrical load of 1 incandescent bulb. These flashers can be used in negative or positive ground systems.

Ones made in Taiwan don't work correctly.

TRIDON EL12	(2 pin) 1 LED and 1 incandescent bulb
TRIDON EL13	(3 pin) 1 LED and 1 incandescent bulb

Flashers from (superbrightleds.com) will flash one or more LEDs and work with negative or positive ground systems. They don't click while flashing.

FL2	(2 pin)
FL3	(3 pin)

Not all electronic flasher work with positive ground cars so check to verify that they are not polarity specific.

If you can't find a flasher that works, the other solution is to install an LED load resistor into each turn signal side (1 resistor for the left side and 1 for the right side). The typical resistors are 6 ohm/50W and are sold on the Internet as a pair. One source is vleds.com and they are about \$9.00 a pair.