

Littelfuse Flashers meet D.O.T., S.A.E. and all applicable state and federal requirements.

### Type of Load

*Variable vs. Exact:*

- Variable load flashers will handle a range of lamps as needed up to the total specified.
- Exact load flashers will flash only the number of lamps for which it is rated. These are typically for OEM replacement applications.

### Lamp Capacity

The total number of lamps energized in the circuit.

### Terminal Count

Two or three terminals — always match the terminal configuration being replaced.

### Design

*Thermal vs. Electronic:*

- Thermal (Bi-Metal) flashers are a mechanical device that operate through the heating and cooling of a bi-metal strip, opening and closing the contacts, causing the lamps to “flash”.
- Electronic flashers are comprised of an electro-mechanical relay with an opposing A and B coil. A capacitor prevents one coil from pulling in relay contacts until it is fully charged. The charging and discharging of the capacitor along with a resistor determine the flash rate and set duty cycle (on/off time).

In some cases you can replace a Thermal Flasher with an Electronic Flasher but never replace an Electronic Flasher with a Thermal Flasher.

### Pin Configuration Key



X = Battery L = Lamp P = Pilot Light

FLASHERS



## THERMAL FLASHERS

### Universal Variable For Domestic Cars

- Universal design replaces most popular part numbers 536 and 552.
- Replaces 12-volt, two terminal flashers.
- **Capacity**
  - **Turn Signals:** Flashes two to three 32 C.P. standard or long-life lamps.
  - **Hazard Warning:** Flashes two to six lamps.
- Features durable, heavy duty thermal flashing mechanism for increased reliability.
- Quality construction ensures continued operation even under harsh temperature and humidity environmental factors.

Bulk Part No.	US Carded No.	Canadian Carded No.	Volts	Terminals	Lamps
FLR 536/552	FLR 536/552 BP	FLR 536/552 CABP	12	2	2–6

### Variable For Import Cars/Domestic Trucks

- Replaces most 12 volt, three terminal flashers.
- **Capacity**
  - **Turn Signals:** Flashes two to three 32 C.P. standard or long-life lamps.
  - **Hazard Warning:** Flashes two to six lamps.
- Separate pilot circuit and durable, heavy duty thermal flashing mechanism for increased reliability.
- Quality construction ensures continued operation even under harsh temperature and humidity environmental factors.

Bulk Part No.	US Carded No.	Canadian Carded No.	Volts	Terminals	Lamps
FLR 550	FLR 550 BP	FLR 550 CABP	12	3	2–6

### Variable For Cars and Light Trucks

- Replaces 12 volt, three terminal flashers.
- **Capacity**
  - **Turn Signals:** Flashes two to three 32 C.P. standard or long-life lamps.
  - **Hazard Warning:** Flashes two to six lamps.
- Features durable, heavy duty thermal flashing mechanism for increased reliability.
- Quality construction ensures continued operation even under harsh temperature and humidity environmental factors.

Bulk Part No.	US Carded No.	Canadian Carded No.	Volts	Terminals	Lamps
FLR 569	FLR 569 BP	FLR 569 CABP	12	3	2–6



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