

# Cabinets for Traffic Management

## 346 LX Cabinet

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### What, exactly, are 346 LX cabinets?

The Safetran 346 LX Series of traffic control cabinets are built to the exacting standards and specifications of NYDOT, Caltrans, FHWA, and TEES. Each 346 LX cabinet features a 19-inch EIA rack that provides ultimate ease and flexibility of traffic control component configuration.

### Why do agencies use 346 LX cabinets?

The modular design of Econolite's Safetran 346 LX cabinet provides control of up to eight vehicle and four pedestrian phases. The 346 LX Series of cabinets also meet the stringent weatherproof requirements for State of California TEES enclosures and can be delivered UL-approved.

### How do 346 LX cabinets benefit the driving public?

Econolite's Safetran 346 LX Series of traffic cabinets securely houses the signal controller and other vital intersection electronic equipment that manages efficient intersection operations and traffic flow. The strict adherence to industry standards and specifications ensures the highest levels of safety for all roadway users.





## Description

The Safetran 346LX Cabinet is the newest in the line of Caltrans fully functional traffic controller cabinets that have put the customer and users' needs at the forefront. After many years of being exposed to dangerous voltages inside of traffic control cabinets, Caltrans has answered the need to comply with stringent safety standards of the NEC (National Electrical Code) and OSHA (Occupational Safety and Health Act). As part of the new 2009 Caltrans Electrical Equipment Specification incorporating Errata 2 Caltrans has also taken into consideration the many additional uses that the modern traffic controller cabinet can be used for by enlarging the cabinet housing design to be able to accommodate the most advanced intersection management applications. These applications, CCTV management, Sign Controls, Data Management, Fiber and Communication hubs and more are all easily added to this new cabinet design.

## Benefits

- Strict safety standards to protect traffic technician personnel from exposure to high voltages when working in the traffic controller environment
- Standardized cabinet housing design for multi-purpose uses
- Modularized assemblies that are interchangeable and field replaceable
- Customer specified options are available when needed
- 4 – door cabinet design for maximum accessibility to all cabinet functionality
- Completely customizable to intersection needs

## Features

- 8-phase, 4-pedestrian operation (or 2-pedestrian, 2-overlap) (1-Output file)
- 18 detector channel capability (3-left turn, 6-through movement) (1-Input file)
- 2/4 detector channel modules (plug ins – specify)
- 2-railroad, 4-evp inputs available

## Basic Specifications

- Dimensions
  - 67 in. H x 45 in. W x 26 in. D
- Material
  - Aluminum 0.125 in. (painted inside/outside)
- Ship Weight
  - 360 lbs (with no plug-ins or controller)

- Solid State signal bus relay (SSR) with Fault Indicator light (no mercury contactor available)
- 24VDC control to the load switches, backup protection if SSR fails
- Red/Yellow programmable flash via moxex flash plugs
- DC isolator for input file interfacing to ped push buttons or special functions
- Conflict Monitor Unit slot for series 210 or 2010 CMU.
- Transient Voltage and surge suppression filter
- Drawer/shelf combo
- C11 harness
- Fluorescent or LED light assemblies available.

