

# Vehicle & Pedestrian Signals

## 8-Inch Aluminum Signal

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### What, exactly, is a signal?

A traffic signal is a signaling device that is positioned at road intersections, and other sites that control traffic. The signals are designed to ensure an orderly flow of traffic for vehicles, motorcycles, bicycles, and pedestrians by displaying colored lights in a sequence of phases. The colors signal the user to proceed (green), warn that a signal is changing to red (yellow) or prohibits any traffic from proceeding (red).

### Why do agencies use signals?

Traffic signals provide an opportunity for pedestrians or vehicles to safely cross an intersection from different directions. Traffic signals can also alleviate traffic capacity of an intersection or a given route which leads to lowering emissions from vehicles that are waiting in traffic.

### How do signals benefit the driving public?

Traffic signals increase the overall safety for all roadway users by reducing traffic collisions and providing efficient intersection operations. Traffic signals also provide a continuous movement of traffic at a defined speed along a given route which contributes to reducing commuting times.





## Durable Housing

Housing and door assembly die castings were designed with the aid of a computer to deliver maximum strength with minimum weight for unmatched tolerance to wind loading and resistance to knock-down damage. Corrosion resistant aluminum alloy castings and stainless-steel hardware make the unit virtually immune to weathering.

## Corrosion Resistant Finishes

A 90,000V negative charge is applied to the paint to ensure proper application to the aluminum components. The paint is then baked on and cured in Econolite's finishing department.

## Shurlock Boss

Radial angular grooves cast into the top and bottom of the signal head housing (along with Econolite Shurlock fittings) permit alignment adjustments in five-degree increments and hold the head firmly in place. Two attaching washers and three bolts make it easy to add sections. They also permit any section to be rotated independently about the vertical axis and hold each section securely in place to prevent misalignment.

## Terminal Block

One five-position terminal block with "Fast-on" tabs on one side and screw clamps on the other side is provided in a standard signal assembly. Mounting points for a second block are also present. Raised letters cast into the housing identify each position on the terminal block. Econolite offers multiple sizes and types of terminal blocks to meet agency requirements.

## Reversible Door Mounting

The door may be mounted on either side, permitting easy access to closely mounted signals. Two integrally-cast hinge lugs and latch screw slots are located on each side of the housing. Built upon a symmetrical concept, each housing is capable of providing either a right or left-hand door opening. While the left hinge is standard, the right hinge is optional and must be specified.

## Basic Specifications

- Dimensions (less visor)
  - 10 in. H x 10.5 in. W x 6¾ in. D
- Weight, typical:
  - Poly = 7.2 lb (less visor)
  - Glass = 7.8 lb (less visor)
- Standard Colors:
  - Dark Olive Green (matches Federal Standard 595b-14056)
  - Yellow (matches Federal Standard 595b-13538)
  - Dull Black (matches Federal Standard 595b-37038)

## Versatility

In addition to most other manufacturers' signals, the 8-inch section may be used vertically or horizontally as a single-section beacon or in combination with 12-inch sections. Flat-back housing simplifies mounting for special applications. A complete line of visors and back-plates are available.

