

# Traffic Signals

## **(8" & 12") Vehicle Signal Faces Aluminum & Polycarbonate Housings**

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Saving lives through improved mobility isn't just a phrase at Econolite—it's a mindset—a culture and way of doing business, embedded across the entire organization.

Since the very beginning, Econolite has been committed to leveraging intelligent technology—from the first lighted stop sign, intended to reduce injuries and fatalities at intersections in 1933, all the way through our more advanced solutions for transportation management.

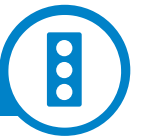
Traffic signals provide an opportunity for pedestrians or vehicles to safely cross an intersection from different directions. Traffic signals can also alleviate traffic capacity of an intersection or a given route which leads to lowering emissions from vehicles that are waiting in traffic.

Each traffic signal consists of a number of identical signal sections rigidly fastened together to present a continuous appearance. Each section has a separate and complete housing that meets or exceeds the latest version of the Equipment Standard from the Institute of Transportation Engineers (ITE).



### **Key Features**

- *Vertical, horizontal, doghouse and HAWK configurations (1 to 5 sections)*
- *Signal assemblies provided with or without LED inserts installed*
- *ISO 9001: 2015 Certified*
- *Tested to ITE required wind loading on single-point attachment*



## Durable Housing and Corrosion Resistant Finishes

### Aluminum Housing/Door

The housing and door of each section is a one-piece corrosion-resistant aluminum alloy die-casting conforming to ASTM B85 Standard SG100B.

- Painting of Aluminum Housing/Door/Visor/Backplate
  - All interior and exterior surfaces are pre-treated for painting
  - Degreased, rinsed, and etched with an iron phosphate solution
  - Rinsed with a final deionized water rinse, then dried for 10 minutes at 400°F.
  - Painted with a single coat of environmentally safe, ultraviolet-resistant, polyester powder coating that is applied electrostatically at 90 kV and baked for 20 minutes at 400°F.
  - Meets ASTM D-3359, ASTM D-3363 and ASTM D-522.

### Polycarbonate Housing/Door

- The housing and door of each section is a one-piece molded ultraviolet and heat-stabilized unit made from virgin polycarbonate resin.

## 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. 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

A 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.

## Standard Specifications

Size	Dimensions / Weight per section (less visor)
8" Aluminum	10 in. H x 10 in. W x 6 in. D / 5.6 lb
8" Polycarbonate	10 in. H x 10.5 in. W x 6 in. D / 1.7 lb
12" Aluminum	14 in. H x 14 in. W x 6.6 in. D / 7.5 lb
12" Polycarbonate	14 in. H x 14 in. W x 6.6 in. D / 3.5 lb
Material	<ul style="list-style-type: none"> <li>• Polycarbonate Housing Thickness 0.12"</li> <li>• Polycarbonate Door Thickness 0.13"</li> <li>• Aluminum Housing Thickness 0.095"</li> <li>• Aluminum Door Thickness 0.10"</li> </ul>
Standard Color(s)	Dark Olive Green - Matches Federal Standard 595b-14056 Yellow - Matches Federal Standard 595b-13538 Flat Black - Matches Federal Standard 595b-37038 Gloss Black (Aluminum only) - Cardinal T009-BK12

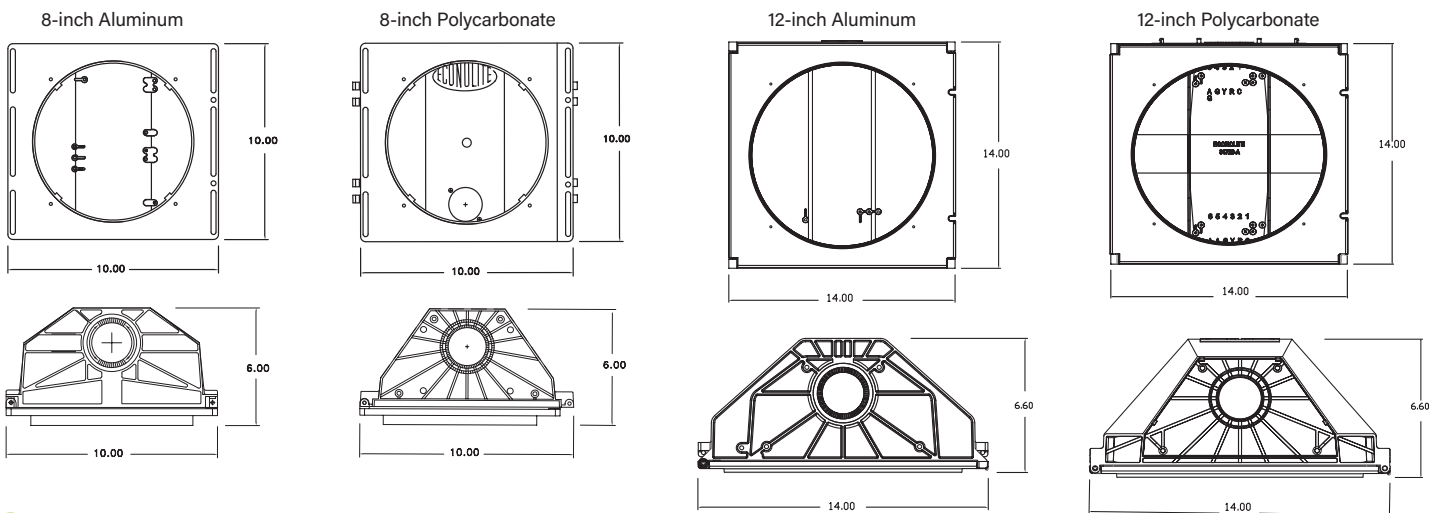
## Reversible Door Mounting

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.

## Options

- Location, quantity, and type of terminal blocks
- Visors (Tunnel, Full Circle, Cap, Angular)
- Backplates (Standard or Louvered). Reflective Tape (optional)
- Mounting (Vertical or Horizontal)
- Accepts all manufacturers' LED inserts
- Internal attaching hardware per agency specification
- Elevator Plumbizer – installed when requested
- Reinforcement Plates for Polycarbonate Signals

## Vehicle Signal Face Housings



Dimensions and weights are approximate and may vary.

