

Traffic Signals

(8" & 12") Vehicle Signals Aluminum & Polycarbonate

Traffic signals and pedestrian signals represent the foundation of safety at any signalized intersection. They also represent the first, and arguably the most important, interaction motorists, bicyclists and pedestrians have with Intelligent Transportation Systems (ITS).

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).

When it comes to ensuring that vehicles and pedestrians are able to safely cross an intersection from different directions, Econolite provides transportation agencies with many options. Our 8" and 12" vehicle signal housings are made from durable, corrosion-resistant aluminum and polycarbonate material.

We utilize the latest industrial design techniques to develop and manufacture the industry's most durable signal products that meet or exceed industry specifications.



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 polycarbonate unit.

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"> - Polycarbonate Housing Thickness 0.12" - Polycarbonate Door Thickness 0.13" - Aluminum Housing Thickness 0.095" - Aluminum Door Thickness 0.10"
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

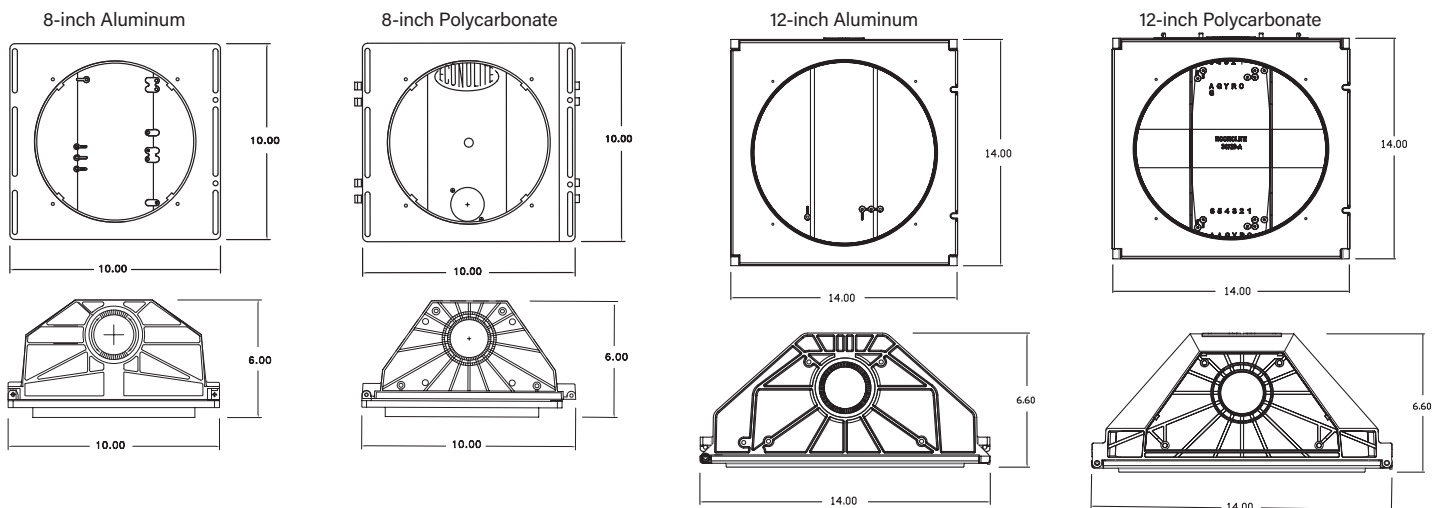
Reversible Door Mounting

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.

