

16-inch Polycarbonate Pedestrian Signal



▷ ▷ All Econolite signals are designed to meet or exceed the Institute of Transportation Engineers (ITE) standards.

About Signals

Traffic 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).

For more than eight decades, Econolite has led the industry in both innovation and breadth of traffic and pedestrian signal solutions for virtually every application, helping transportation agencies and Metropolitan Planning Organizations (MPOs) efficiently and cost-effectively meet evolving traffic management programs. Econolite utilizes the latest industrial design techniques to develop and manufacture some of the industry's most durable signal products that meet or exceed industry specifications. Our products are designed using computer-aided 3D software and modeling, including Finite Element Analysis (FEA) to accurately predict how our signal equipment will react to practically all known environmental forces. In addition, actual production units are tested to handle multiple wind loads and other real world factors to ensure durability.

At A Glance

- ▷ Molded mounting bosses inside housing that accommodate all major audible pedestrian equipment manufacturers
- ▷ Permanent or removable door pins
- ▷ Available clips for LED attachment to housing
- ▷ Lower maintenance with molded-in color
- ▷ Stainless steel hardware





Housing

The main housing of the 16-inch signal is one-piece, manufactured with ultraviolet and heat-stabilized, flame-retardant polycarbonate material. The signal is capable of providing either a top or bottom door opening. The top and bottom of the housing have knockout openings to accommodate standard 1½-inch (38 mm) pipe brackets. This knockout eliminates the need for additional hardware to close openings when using the terminal field assembly. Each opening has a Shurlock boss integrally cast into the housing. The radial angular grooves of this boss, when used with Shurlock fittings, allow positive five-degree increment alignment of the signal head. Alternatively, a field terminal assembly is available that includes an aluminum base and back-plate that can be bolted to either side of the signal housing. Econolite has also designed molded-in mounting bosses that accommodate all major audible pedestrian equipment manufacturers. For added convenience, the Econolite 16-inch polycarbonate housing is completely interchangeable with the Econolite 16-inch aluminum pedestrian signal without the need for new framework or field terminal assemblies.

Housing Door

The structural part of the door is one-piece, manufactured with ultraviolet and heat-stabilized, flame-retardant polycarbonate material. Two integrally-molded hinge lugs and two integrally-cast latch screw slots are on opposite sides of the door. Aluminum doors are also available. The door is attached to the housing by means of two stainless steel hinge pins that allow easy removal without the use of tools. Removable locking pins and permanent knurled pins are also available. Two latch screws with wing nuts on one side of the door allow quick and easy opening and closing of the door without the use of tools. In addition, clips are available that can attach the LED to the signal housing for safe door opening.

Visor Options

The 16-inch signal has an available aluminum visor option. In addition, the Solar Screen visor option is designed to eliminate "sun phantom" and minimize damage to the LED signal module. Stainless steel hinge pins, door-latching hardware, and screws are used to attach the visor and Solar Screen to the housing door.

Plastic Material and Color

The housing and door are molded in one-color polycarbonate material throughout. For long life and maximum mechanical strength, no reprocessed or scrap polycarbonate material is used. The color of the door, Solar Screen, and the inside of the visor are black.

Dimensions

- ▷ **Depth**
 - ◉ 7.00" (housing only)
 - ◉ 8.52" (with door)
- ▷ **Height**
 - ◉ 18.70" (housing only)
 - ◉ 18.75" (with tabs)
- ▷ **Width**
 - ◉ 17.88" (housing only)
 - ◉ 18.38" (with door)
- ▷ **Housing and Aluminum Visor Color Options**
 - ◉ Black (matches Federal Standard 595b-17038)
 - ◉ Dark Olive Green (matches Federal Standard 595b-14056)
 - ◉ Yellow (matches Federal Standard 595b-13538)

