

# Signals

## Traffic Backplates

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Econolite's traffic and pedestrian signals meet and exceed industry specifications. Econolite offers traffic and pedestrian signal solutions for virtually every application, helping transportation agencies cost-effectively meet evolving traffic management programs.

Backplates provide improved visibility of the illuminated face of the signal by introducing a controlled-contrast background. Improved signal indication visibility will lead to increased safety performance at the intersection. Adding backplates have been shown to be a cost effective method to reducing right angle crashes associated with red-light running.



### **Key Features**

- *Aluminum and ABS material*
- *In-line, cluster/doghouse, and HAWK configurations*
- *Standard and louvered available in one or two-piece construction*
- *ISO 9001: 2015-certified*



### Specifications

- **Materials:**
    - Aluminum – 0.050" thick
    - ABS - .125 thick
  - **Signal Mounting:**
    - Standard Mounting Framework
    - Elevator Plumbizer Framework
  - **Construction Designs:**
    - 8-inch traffic signals – standard or louvered with 5" or 8" borders
    - 12-inch traffic signals – standard or louvered with 5" borders
    - 12-inch cluster traffic signals – standard or louvered
    - 12-inch HAWK traffic signals – standard or louvered Square or "T" Shaped
    - Combination 8" & 12" signals – standard or louvered
  - **Standard Paint Options:**
    - Dark Olive Green (matches Federal Standard 595-14056)
    - Yellow (matches Federal Standard 595-13538)
    - Flat Black (matches Federal Standard 595-37038)
    - Gloss Black (matches Federal Standard 595-17038)
  - **Optional reflective tape border available in 1-inch, 2-inch, 3-inch widths:**
    - 3M 3931 Yellow Prismatic (Type III, IV)
    - 3M 4091 Yellow Diamond Grade (Type XI)
    - 3M 4081 Fluorescent Yellow Diamond Grade (Type XI)
    - 3M 3981 Fluorescent Yellow – VIP Diamond Grade (Type IX)
    - 3M 983-21 Fluorescent Yellow Diamond Grade Conspicuity
    - 3M 3991 Yellow VIP Diamond Grade (Type IX)
- \*3-inch tape not available for louvered backplates**

NOTE: Econolite backplates are not interchangeable with other manufacturer's traffic signals

Backplates 12" Signal with 5" Border	One-Piece		Two-Piece	
	Length (in)	Width (in)	Length (in)	Width (in)
Number of Signals Sections				
1	24.22	24.00	24.22	24.00
2	38.26	24.00	38.26	24.00
3	52.30	24.00	52.30	24.00
4	66.34	24.00	66.34	24.00
5	80.38	24.00	80.38	24.00

Cluster Backplates 12" Signal with 5" Border	Two-Piece	
Number of Signals Sections	Length (in)	Width (in)
5 (w/2.5 in filler plate)	50.98	37.00
5 (w/4.0 in filler plate)	52.48	37.00

