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Traffic Control Systems

Traffic Signal Backplates

DATA SHEET



DESCRIPTION

Traffic Signal Backplates are designed to properly shield a traffic signal from background obstructions. The backplate provides a dark silhouette that isolates the signal face from store lights, signs, sunlight and other environmental conditions that tend to reduce the brilliance of the light indications. A study found that backplating can cut the number of vehicle accident claims at intersections by nearly 15%.

FEATURES

- Cored holes and stainless steel thread forming screws are provided in the die cast aluminum and polycarbonate traffic signals for quick, easy installation of backplates.
- Aluminum backplates are fabricated from .063" 5052-H32 aluminum and are standardly primed and powder coated flat black on both sides. Aluminum backplating provides the strongest strength-weight ratio and is very resistant to weather and corrosion in harsh environments.
- Poly backplates are fabricated from either .125" high density polyethylene (HDPE) or .125" acrylonitrile butadiene styrene (ABS) and are standardly dull black on one side and semi-gloss black on the other side. If reflective tape is being used, or will be used after purchase, ABS poly is required for proper adhesion. Polyethylene backplating is very resistant to impacts and abrasions. It will also keep its strength and shape in extreme temperatures and severe weather conditions.
- Available with 1", 2" and 3" wide reflective tape installed in center or flush with outside edge. If reflective tape is required, the backplates will be fabricated from ABS material.

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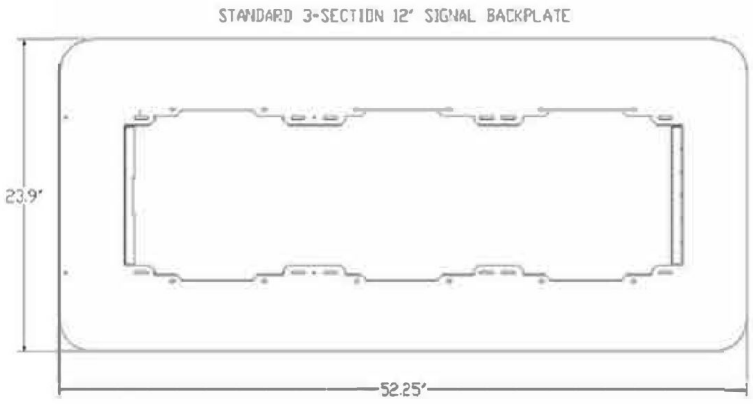
Backplate Number Construction Code

Prefix	Width of Border	Signal Configuration			Plumbizer Mounting Allowance	Profile	Hanger Style	Width of Reflective Tape	Tape Location	Special Options *f*	Paint Options -**
		Number of 8" (203mm) Housings	Number of 12" (300mm) Housings	Face Arrangement*							
BPA = Alum - SG BPB = Poly - SG BPAR = Alum - SG w/Reflct Tape BPBR = Poly - SG w/Reflct Tape BPC = Alum - SA BPD = Poly - SA BPCR = Alum - SA w/Reflct Tape BPDR = Poly - SA w/Reflct Tape	5 = 5" 8 = 8 "	0 1 2 3 4 5 6	0 1 2 3 4 5 6	A - Z	N = None E = Eagle R = Ryall (Frey)	F = Flat L = Louver	00 = None 01 = Span Wire 02 = Astro Bracket 03 = Other	0 = None 1 = 1" 2 = 2" 3 = 3"	N = None E = Edge C = Center	0 = None 1 = Multi 2 = Tape 3 = Louver size or direction 4 = Hardware 5 = Other 6 = Louver centered	-00 = Flat Black -12 = Yellow (Contact MoboTrex for other paint options)

* Use the lowest signal alpha designation for the wanted signal arrangement. Reference VFA (Vehicle Face Arrangement) Chart.

BPx(R) 5 2 1 A N L 00 2 E *f* -**

- Prefix
- Width of Border
- Signal Configuration
  - Number of 8" Housings
  - Number of 12" Housings
  - Alpha Designation
- Mounting Allowance
- Profile
- Mounting Style
- Tape Size
- Tape Location
- Special Option (ex: DOT Specs)
- Paint Color Option



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