

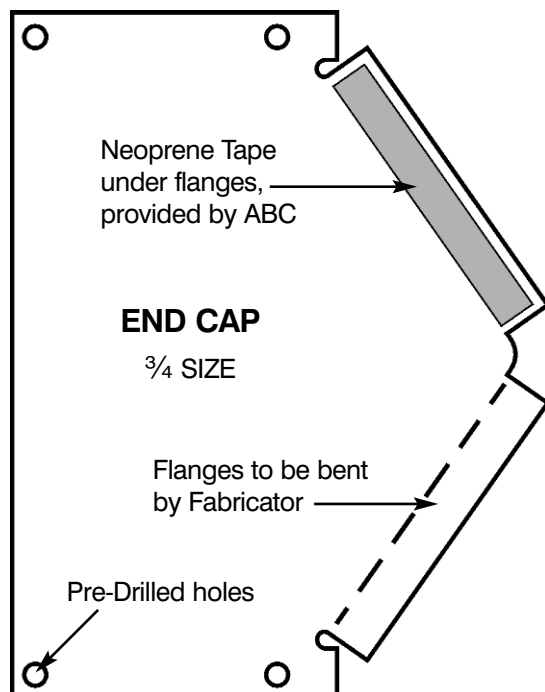
Neon Border Channel and Lens

ABC's "Easy Sheet" series on building extruded aluminum sign frames - 1/02

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This extrusion is designed to make shop assembled, self-contained neon border tubing displays, which minimizes field installation work.

ABC's Neon Border Channel & Lens produces a brighter, more sharply defined light, which eliminates the



"halo" effect common to any exposed neon. The clear virgin (not recycled) polycarbonate lens resists yellowing and crazing. It protects the neon from hail and vandalism damage, and keeps the tubing clean and dry, which eliminates the major causes of shorts and service problems.

This extrusion may also be used to build self-contained fluorescent light fixtures, using tombstone lamp holders, with the ballast mounted in the

channel. These would be especially suitable for the newer T-2, T-5, and T-8 assemblies now being used for border lighting on some gas stations and convenience stores.

The pre-formed polycarbonate lens is flexible enough to bend and "snap" into place, with no fasteners required. It can easily be removed for access to the tubing if service is required.

The aluminum end caps are precision routed by ABC with pre-drilled holes for four #7 metal screws to fit the screw bosses in the extrusion.

These end caps come flat, with ABC's U.L. component neoprene tape affixed. The tabs are to be bent 90 degrees by the fabricator.

The light gauge metal reflectors are optional.

They reflect more of the light outwards and also form an enclosed wireway for secondary cable carried in the extruded channel.

These are to be sheared to fit loosely and mounted by the fabricator.

They should be loose enough in the slots provided at the top and bottom to be easy to lift out for service access, and therefore require at least two screws per piece to hold them in place.

The extrusion and lens may be miter-cut to go around corners, or to form angles.

Usually used with remote transformers, standard electrical fittings are easily adapted to the aluminum channel to meet codes.

The extrusion is designed to be basically watertight.

The inner flanges of the lens retainer channels are higher on the inside than the outside, to drain water out.

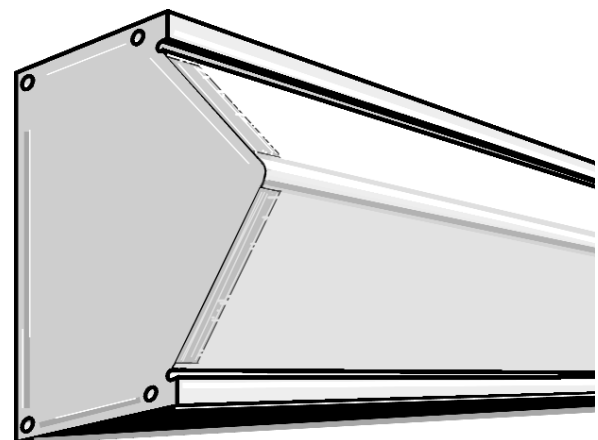
When mounted flat on a fascia or wall, little or no water can enter.

However, drainage holes should be drilled in the bottom in case water should enter at joints or ends.

A drill guide groove is provided in the extrusion where the tube supports are to be mounted, and where holes are to be drilled for mounting.

The extrusions come in 21' lengths, and the polycarbonate lens comes in 10' lengths.

Call toll-free for one of our sales people for further information and prices.



PERSPECTIVE OF END VIEW

Please contact ABC if you have any questions:

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The parts described on this page are covered by one or more of the following patents:

U.S. 4,007,552 4,265,039
CANADIAN 1,021,565 1,149,159 1,170,048 1,170,049 1,170,050

ABC[®]
Sign Products