



SPECIFICATION FOR HIGH BRIGHTNESS PRISMATIC RETROREFLECTIVE PAVEMENT MARKER

GENERAL DESCRIPTION

The 101LP marker shall consist of an iron casting to which is attached a replaceable prismatic retroreflector for reflecting light from a single or opposite directions. Both ends of a bi-directional casting are shaped to deflect a snowplow blade. The bottom of the casting shall incorporate two parallel keels and an arcuately shaped web designed to fit into a grooved surface. LP indicates the marker has a lower profile above grade to minimize plow truck jarring.

DETAILED SPECIFICATIONS

A. Dimensions and Construction Details

1) Casting

A. Dimensional Details

Overall dimensions shall be approximately 10.00 in. long by 5.50 in. wide and 1.76 in. high (25.4 cm x 13.97 cm x 4.47 cm). Installed height shall be approximately 0.25 in. (0.635 cm) above the road surface.

B. Material

Nodular iron, conforming to Specification ASTM-A536-84, Grade 80-55-06, hardened to 51-55 RC.

C. Surface

Surface of the keel and web shall be free of scale, dirt, rust, oil, grease or any other contaminant which may reduce its bond to the installation adhesive.

D. Weight

Approximately 4.9 lbs. (2.23 kg)

E. Identification

Casting shall be marked with manufacturer's name and model number of marker.

2) Reflector

Reflector shall consist of an Ennis-Flint Stimsonite Model C40 lens. Please refer to specification SMC40 for reflector specification.