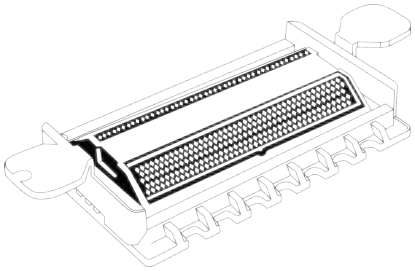
STIMSONITE MODEL 201

The Lens Cradle With C40 Replaceable Lens

PRODUCT DATA

Product Type: The Lens Cradle
Design: 5.00" x 3.00" x 0.70" (12.70 cm x 7.62 cm x 1.78 cm)
Installed Height: 0.10" (0.25 cm)
Weight: 2.12 oz. (60 grams)
Material: Polycarbonate plastic
Specification: Meets ASTM D 4280 (w/C40 lens)
Effective Date: 2019



Product Description:

Raised pavement markers are a safety device used on roads to improve delineation and increase preview time, particularly under wet conditions, and have been shown to decrease crash rates on highways with raised pavement marker center lines by approximately 0.5 crashed per million vehicle miles.

Raised pavement markers play an important safety function on roads, communicating both the travel path for short and long range vehicle operation.

Features a polycarbonate casting and a replaceable C40 lens that has an ABS plastic body and coated polycarbonate lenses.

The roadway is recessed and two Lens Cradles are placed on opposite sides of the slot and applied using an approved epoxy that meets AASHTO M237 Type IV. The replacement cycle for castings is approximately ten years while the lens replacement cycle is 2-4 years depending on the road's ADT.

Product Advantages:

- Lightweight polycarbonate casting
- Dual tab design places the casting at the optimal depth to prevent snowplow blade hits while maintaining superior wet night reflectivity
- Abrasion resistant coating provides enhanced retained reflectivity
- Advanced optics deliver high reflectivity and durability
- Initial SI values engineered to at least double ASTM standards
- Recommended for high ADT and high intensity conditions

Packaging:

Available in 50 piece boxes per color and casting style.

Other:

The following lens colors are available: white, yellow, red, blue, green, and fluorescent orange. Markers are available as a one-way marker with one lens and one plug, a two-way marker with two lenses of the same color, or a two-way marker with two different colored lenses.

Physical Characteristics Of C40 Lens:

Slope Of Lens: 35 degrees to base

Lens Face: 1.93 sq.in. (12.48 sq. cm.)

Compressive Strength Requirement: > 6,000 lbs. (2,722 kg)
(ASTM D 4280)

Coefficient Of Luminous Intensity (mcd/lx):
(ASTM D 4280)

	0 Degrees	20 Degrees
White	279	112
Yellow	167	67
Red	70	28
Green	93	37
Blue	26	10

Specific Intensity (cd/fc):
(ASTM D 4280)

	0 Degrees	20 Degrees
White	3.0	1.2
Yellow	1.8	0.72
Red	0.75	0.30
Green	1.0	0.4
Blue	0.28	0.11

Coefficient Of Luminous Intensity After Abrasion Resistance Testing (mcd/lx):
(ASTM D 4280)

	0 Degrees	20 Degrees
White	140	56
Yellow	84	34
Red	35	14
Green	47	19
Blue	13	5

Specific Intensity After Abrasion Resistance Testing (cd/fc):
(ASTM D 4280)

	0 Degrees	20 Degrees
White	1.5	0.60
Yellow	0.90	0.36
Red	0.38	0.15
Green	0.50	0.20
Blue	0.14	0.06

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