



Features/Benefits

- Secures to Roadway
- Sloped Edged to Signal Head
- Easy to Install Into Pavement
- Maintenance Free Operation
- Simple Electrical Connections
- Self Clearing **Debris Free™** Design
- Adaptable to Tamper Resistant Hardware
- High Strength Impact Resistant Composite

Standard In-Roadway Warning Light Base Plate

LightGuard Systems Part Number: LGS-SD10-C

Description: 10" Composite Base Plate

Compliant to FHWA Standards: MUTCD Chapter 4, Section N

Application Notes

The SD10 mounting base plate is used to secure and protect In Roadway Warning Lights (IRWL) module. The dimensions of the base plate are approximately 10" diameter and 1½" depth. The shallow depth prevents penetration into the lower roadbed thereby preserving the structural integrity of the roadway. A two part epoxy compound is used to permanently embed the base plate into the roadway.

The base plate interior cavity is designed to contain the wiring cable for the IRWL module. An elastomer O ring found on the signal head module tightly fits into the base plate horseshoe shaped lip, creating a seal interface between the signal head module and the base plate.

The IRWL signal head is fastened to the base plate with stainless steel socket head ¼"-20 screws that are lubricated in the factory with thread lock, anti-seize compound.

The base plate can be installed directly into asphalt or concrete roadbeds. The electrical conductors are embedded in the road bed via direct burial or in conduit.



General Performance Specifications

Parameter	Value
Operating Temp	-20° to +80°C
Material	High Strength Composite
Color	Black
Size	9 7/8" diameter, 1 3/8" deep

