



Features/Benefits:

- Secures to roadway
- Easily installs into pavement
- Maintenance free operation
- Simple electrical connections
- Self clearing **Debris Free™** design
- Adaptable to tamper resistant hardware
- High strength impact resistant composite

Smart Crosswalk™ 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 Light (IRWL) modules. 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 fits tightly into the horseshoe shaped base plate, 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



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 |

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| <p>Street Mounting</p> | <p>Internal Wiring Diagram</p> |
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