



Smart Crosswalk™ Snow Plow Resistant Base Plate

LightGuard Systems Part Number: LGS-CHS-14

Description: 14" Steel Case-Hardened Snow Plow Blade Resistant Base Plate

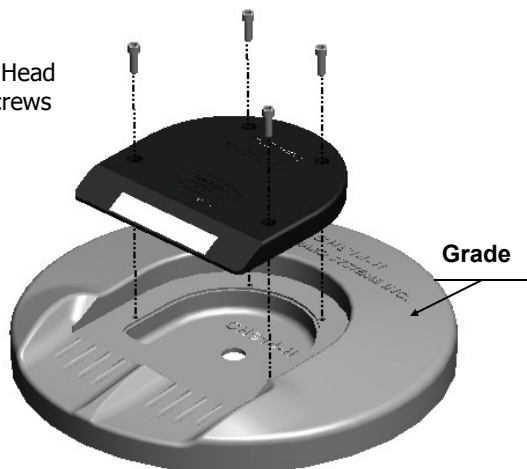
Application Notes:

The LGS-CHS-14 base plate is embedded into the roadway to secure the in-roadway warning light (IRWL) light fixtures. This case hardened steel base plate is coated with corrosion resistant steel primer and features two wing tips and a nose bridge. When the snow plow blade strikes the base plate, the blade is lifted up and over the top of the IRWL. The Debris Free Self Clearing™ design contains parallel fluted slots on either side of the center nose bridge which help prevent road debris build up that could block the LED lens. This feature reduces maintenance requirements and extends product life.

Two part epoxy is used to permanently embed the base plate into the roadway. The IRWL is fastened to the base plate with stainless steel socket head 1/4"-20 screws with thread locks and anti-seize compound applied to the screws in the factory. The shallow depth of the base plate ensures that the sub surface of the road base is not compromised. The top outer edge of the base plate is flush with the road surface with the IRWL projecting 1/2" above the road surface.

The steel base plate is designed to install in asphalt or concrete roadbeds located in snowy regions. The base plate interior cavity is designed to house the cable connector for the signal head. The electrical conductors are installed through direct burial or inside conduit. The CHS-14 base plate is compatible with all LightGuard Systems IRWL models.

Street Mounting



Features/Benefits

- Secures IRWL light fixture
- Maintenance free operation
- Resistant marine grade coating
- Self Clearing Debris Free™ design
- High strength case-hardened steel
- Asphalt or concrete installation



General Performance Specifications

Parameter	Value
Operating Temp	-20° to 80°C
Material	High strength case hardened steel
Color	Gray, Silver, or Black
Size	13 7/8" diameter x 1 7/8" deep
Weight	25 lbs

Typical Base Plate Internal Wiring Diagram

