



Smart Crosswalk™

Automatic Activation Bollard

The Original Pedestrian Detection Gateway System—a LightGuard Systems® Invention

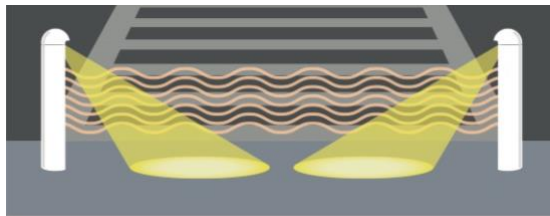
LightGuard Systems PN: LGS-T6

Product Description

The Automatic Activation Bollard pedestrian detection system consists of entry 'gateways' created by two opposing bollards installed at a minimum of 1.5 feet to 4 feet from the curb at the crosswalk entrance. Each pair of bollards has a range up to sixty feet. As pedestrians enter the crosswalk and pass between the two bollards, infrared light beam sensors detect their presence and automatically activate the system — no other pedestrian action is necessary to activate the Smart Crosswalk™. The sensors are mounted inside the bollards and are directionally sensitive. The system is activated only as pedestrians enter the crosswalk — not when they exit.

Bollards activate flashing In-Roadway Warnings Lights (IRWL), LED Signs, and Rapid Rectangular Flashing Beacons (RRFB). The infrared light beam sensors are adjustable for orientation and sensitivity levels.

Our proprietary, safety-minded operating system has a fail-safe mode called, BlockSafe™. When the infrared light beams between two bollards are blocked, the system triggers a default on/off flash pattern, which remains flashing in continuous operation until the system signal blockage is cleared.



NightGuide™ contains 12 LED lights that softly illuminate the crosswalk entrance — inviting pedestrians to a safer place to cross the street at night.

Features & Benefits:

- Attractive sleek design
- Infrared detection sensors
- No pedestrian action necessary
- Durable aluminum construction
- **NEW** *NightGuide™ crosswalk entrance light
- BlockSafe™ ensures continuous operation
- Capable of interfacing with other ITS devices
- **NEW** Custom lighted graphic embellishment
- Optional audible sounds



General Specifications

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|---|--------------------------------------|
| Maximum distance between bollards | 60 Feet |
| Power consumption | 2.5 Watts |
| Operating temperature | -20° to 80°C |
| Operating voltage | 10 VDC to 14 VDC |
| Exterior color | White (custom colors available) |
| Outer enclosure material | 0.125" aluminum |
| *NightGuide™ light color | Amber |
| Custom lighted graphic (LGS logo is standard) | Requires a .bmp graphic (fees apply) |
| Dimensions | 42" height, 8" diameter |
| Installation | Mounts via concrete anchor bolts |