**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.

**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

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

**General Specifications**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
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<tbody>
<tr>
<td>Maximum distance between bollards</td>
<td>60 Feet</td>
</tr>
<tr>
<td>Power consumption</td>
<td>2.5 Watts</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-20° to 80°C</td>
</tr>
<tr>
<td>Operating voltage</td>
<td>10 VDC to 14 VDC</td>
</tr>
<tr>
<td>Exterior color</td>
<td>White (custom colors available)</td>
</tr>
<tr>
<td>Outer enclosure material</td>
<td>0.125” aluminum</td>
</tr>
<tr>
<td><strong>NEW</strong> <em>NightGuide™</em> light color</td>
<td>Amber</td>
</tr>
<tr>
<td>Custom lighted graphic (LGS logo is standard)</td>
<td>Requires a .bmp graphic (fees apply)</td>
</tr>
<tr>
<td>Dimensions</td>
<td>42” height, 8” diameter</td>
</tr>
<tr>
<td>Installation</td>
<td>Mounts via concrete anchor bolts</td>
</tr>
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2292 Airport Blvd., Santa Rosa, CA 95403 | Phone (707) 542-4547 | Fax (707) 525-6333