



Features & Benefits

- Increases driver yielding
- 96 high-intensity LEDs per sign
- High visibility—up to 1 mile
- Enlighten1 flash rate standard (custom flash modes are available)
- Scalable solar power
- Wireless communication/operation
- Simple electrical connections
- Internal branch circuit protection

Smart Crosswalk™ Solar Wireless Sign System

LightGuard Systems Part Number: LGS-W-SIGN

Description: Solar Powered Wireless Flashing LED Sign System

Application Notes:

The Solar Wireless Sign System is a highly visible crosswalk treatment that increases driver yielding. Sold in pairs, one sign is placed at each side of the crosswalk. Each sign contains 96 high-intensity LEDs embedded into the perimeter of the sign that flash at the MUTCD compliant Enlighten1 rate, which is photosensitive epilepsy safe. The run time is factory preset to 20 seconds, and is field adjustable. The wireless system uses FCC approved matched transceivers to securely communicate pedestrian push button activation from either crosswalk entrance up to 250 ft. apart. The wireless sign solar capacity supports one model LGS-W-SIGN up to 450 daily activations at 20 seconds each, for a minimum 7 days without battery recharge. Based on usage needs, additional solar panels and/or batteries may be recommended.

The controllers and transceivers are factory installed, assembled into a NEMA 4 rated cabinet. Installation: connect the solar panel, sign(s) and push button to the controller enclosure mounted behind the sign; connect batteries. Optional S1-1 Schoolhouse crossing signs or custom signs available.

System Components:

Wireless Sign System includes: 2 (two) – 30" or 36" LED enhanced W11-2 pedestrian signs, 2 (two) – 12" x 24" W16-7p signs static diagonal down pointed arrow signs, 2 solar panels with side pole mounts, 2 (two) batteries, 2 (two) push button stations - ADA compliant, 2 (two) wireless transceivers and 2 (two) pre-wired electronics enclosures. **Not Included:** Poles & Wire.



W11-2 pedestrian sign system shown with W16-7P and push button

<i>General Performance Specifications</i> (Solar Sizing Based on Estimated Load)		<i>Operating Diagram</i>
Parameter	Value	
Output Power	5W (standby mode) 20W (while flashing) 12 VDC nominal, 3A	
Operating Temp	0 C to +50 C	
AWB Battery	12VDC nominal, 100AH Sealed	
AWB Solar Panel	12VDC nominal, 55W min	
Current Protection	3A circuit breaker	
Enclosure Type	NEMA 4, Fiberglass 22x18x8, Grey	