



**Smart Crosswalk™
Flashing LED—Border Enhanced
School Warning Sign**

LightGuard Systems Part Number: LGS-S1-1-B –FYG

Description: 8 Bar LED Illuminated School Crossing
Warning Sign (Dog House Style)

Application Notes:

The S1-1 sign is intended to be placed at, or before a school crosswalk. Highly visible, the S1-1 sign can be seen up to one mile in advance of the crosswalk and contains 96 high-intensity LEDs embedded into the border. For increased visual awareness to motorists driving in both directions, the S1-1 sign can be installed back to back, for a total of four signs. The system activates via automatic activation pedestrian detection bollards and/or manual push button. Once activated, the flashing S1-1 signs warn approaching motorists that pedestrians are in, or about to enter the crosswalk.

The embedded LED modules flash at the MUTCD compliant Enlighten1 rate which is photosensitive epilepsy safe, and operate at a 50% duty cycle. The S1-1 sign can connect to a standard DC beacon controller and flash in a wig-wag pattern of 1/2 sec on—1/2 sec off, or other custom flash rate.

Made of durable heavy duty aluminum, the S1-1 sign easily mounts to standard poles with the provided tamper resistant Z-Bracket.

Custom signs are available upon request.

Features/Benefits:

- High visibility up to 1 mile
- 96 high-intensity LEDs
- 12 VDC operation
- Simple electrical connections
- Maintenance free operation
- LED modules inside NEC conduit bars
- Heavy duty aluminum
- Mounts to standard poles using tamper resistant Z-Bracket



Shown with W16-7pL Diagonal Down Pointed Arrow

General Specifications

Size	30" x 30" or 36" x 36" Doghouse Style	Visibility	± 20°
Type	S1-1 School Crossing	Luminous Intensity	250,000 mcd
Background Color	Standard Fluorescent-Yellow-Green FYG diamond grade Retroreflectivity	Operating Temp	-20° to 80°C
Mounting Hardware	Provided: tamper resistant Z-Bracket	Operating Voltage	9 VDC to 15 VDC
Application	Supplement to in-roadway system	Input Voltage	12 VDC nominal
DC Current @ 12 VDC	0.5 Amps nominal	Power Dissipation	~7.5 Watts nominal