Programmable School Zone Warning Sign: **5800 Series**

SZ-5800 (40W)

LED-Enhanced Signage

* other sign types, shapes
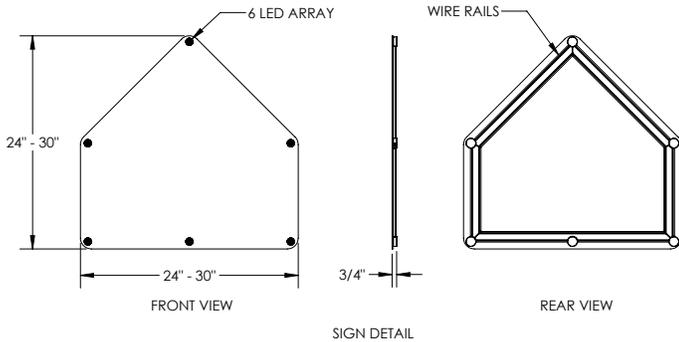and sizes also available

JSFT Programmable Beacons can be installed anywhere with cellular reception* or in places without, via direct connection. A preset flash schedule can be created using the web-based JSF Tech Beacon App and sent to the beacons wirelessly online, or with a laptop and USB with our offline scheduler. Beacons can also be activated using a cellular-enabled mobile device. The programming can store multiple years and varying schedules, and diagnostic information can be accessed from cellular Primary Beacons.

Each Programmable Beacon set consists of two beacon types: Primary and Secondary. The Primaries store the programmed flash schedule and, if cellular-enabled, contain modems. The Secondaries receive daily on/off signals from the Primaries. Any number of Secondary beacons can be linked to a Primary beacon within range. When a Primary receives an activation command, it relays this command to all Secondary beacons within range in the series.
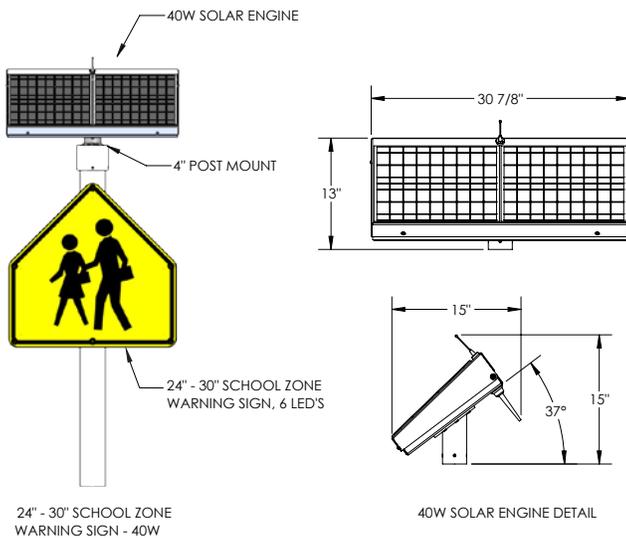
Programmable School Zone Warning Sign: **5800 Series**

SZ-5800 (40W)

Sign: 24", 30", 36" or 48".

6 LED ARRAY

WIRE RAILS

24" - 30"

24" - 30"

3/4"

FRONT VIEW

SIGN DETAIL

REAR VIEW

Solar Engine.

40W SOLAR ENGINE

4" POST MOUNT

30 7/8"

13"

24" - 30" SCHOOL ZONE WARNING SIGN, 6 LED'S

15"

37°

15"

24" - 30" SCHOOL ZONE WARNING SIGN - 40W

40W SOLAR ENGINE DETAIL

*JSF Technologies is not responsible for interruptions or lack of communication quality with cellular carriers, nor are we responsible for termination of carrier services in a given area.

SPECIFICATIONS

SYSTEM OVERVIEW

Certification	CE and UL certified electrical components
Compliance	FHWA MUTCD compliant
	FCC EMC Class A verified
Operation	Programmable schedule and
	Mobile device activation
Flash patterns	MUTCD (0.5 second on, 0.5 second off)
	or JSF Tech High Visibility Strobe Pattern
Variations	Synchronized or Wig-Wag (alternating)
Operating temperature	-40°F to +165°F (-40°C to +74°C)
Controller input voltage	12 V DC
Solar panel	40 W nominal 12 V, CE and TUV certified
Battery storage	AGM 12 V, 36 Ah,
	UL certified, field replaceable,
	Optional cold weather battery upgrade
Alternate power	AC-compatible
	includes "Battery Tender® 800"
Diagnostics	Reporting on battery levels, activations,
	beacon state, GPS location, etc.

POWER MANAGEMENT

Rated usage	120 mins of activation per day (average) or more
Charged capacity	Up to 30 days at rated usage (without charging)
Auto brightness	6 stages of brightness for different light
	conditions and battery levels
Self monitoring	Visual notification of sub-optimal operation

LED MODULE

Light output	132 lumens
Size	0.75" (20mm)
LED color	Amber

COMMUNICATION: INTER-BEACON

Between beacons	ISM spread spectrum radio, 902-928 MHz
Range	Up to 0.5 miles (800 m) with line of sight
Network addresses	16 unique addresses to avoid interference
	between multiple crosswalk locations
Compatibility	All SZ family beacons

COMMUNICATION: PRIMARY BEACONS (-P)

Incoming commands	Cellular communication* or via direct
	USB connection
GPS	GPS, GNSS and GLONASS compatibility
	and Time synchronization

A primary beacon receives and stores preset schedules from the JSF Tech Beacon App and receives instant activation messages from authorized users.

COMMUNICATION: SECONDARY BEACONS (-S)

Incoming commands	Relies on the primary beacon's commands

A secondary beacon relies on its primary beacon for all activation commands.

PHYSICAL DESIGN

Configuration	LED sign with 3M™ Diamond-Grade™
	Anti-Graffiti overlay and separate solar engine
Solar engine	6061-T6 powder coated aluminum
Solar engine color	Black, green or yellow
	Custom colors also available
Solar engine weight	Approx - 61 lbs. (28 kg)
Available mounting for	Round poles: 2", 3", 4.5",
	Square posts: 4", 6", 4"x 6",
	Telespar & U-Channel: 2"

WARRANTY

5-year Limited Warranty for defects in workmanship and materials (excludes batteries and vandalism)

CONTACT

JSF TECHNOLOGIES
SOLAR TRAFFIC SOLUTIONS

CE CERTIFIED

UL

FC

U.S. Department of Transportation
Federal Highway Administration