Conforms to FHWA Memorandum IA-21

**RRFB**
- 3-piece system consisting of two light bars and solar engine
- Articulated LED mounts ensure precision aim and positioning
- Robust aluminum housing protects against the elements

**SOLAR ENGINE**
- Solar engine includes solar panel, battery and control electronics with radio communication
- Elegant, integrated design simplifies installation and resists vandalism
- Solid aluminum enclosure with durable powder-coated finish
Rectangular-Rapid Flashing Beacon, Dual sided: **9400 Series**

**AB-9400 (40W)**

**Solar Engine**

**Signal Head (3” x 7” LEDs)**

**Dimensions are in Inches ±1/16”**

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### SPECIFICATIONS

**SYSTEM OVERVIEW**

- **Certification**: CE and UL certified electrical components, NEMA TS 2-2003 certified, SAE J595 (class 1) & SAE J578 certified LEDs
- **Compliance**: FCC EMC compliant
- **Operation**: Pedestrian push button or remote activated
- **Flash patterns**: MUTCD RRFB pulsing pattern (as per IA-21)
- **Activation duration**: Variable from 5 seconds to 4 hours
- **Operating temperature**: -40°F to +165°F (-40°C to +74°C)
- **Controller input voltage**: 12 V DC
- **Controller output voltage**: 9 - 20 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”

**POWER MANAGEMENT**

- **Rated usage**: 300 cycles per day, 25 second activation
- **Charged capacity**: Minimum of 30 days at rated usage (without charging)
- **Auto brightness**: Auto brightness for nighttime conditions (no daytime dimming)
- **Self monitoring**: Visual notification of sub-optimal operation

**LED MODULE**

- **Standard**: SAE J595 (class 1) & SAE J578 certified
- **Size**: Approx - 3” x 7”
- **Horizontal LED pivot**: 20° off center
- **LED color**: Amber
- **Tell-tale LED**: Amber, approx - 1” x 2” and options include one, two, or none per lightbar

**COMMUNICATION**

- **Type**: 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 AB family units and third-party devices
- **Push buttons**: Polara Bulldog, Polara XAV, Campbell 4EVR, Campbell Guardian AGPS

**PHYSICAL DESIGN**

- **Design**: Three piece system: light bars and solar engine
- **Color**: Black, green or yellow
- **Custom colors also available**
- **Signal head & solar engine**: 6061-T6 powder coated aluminum
- **Weight**: Approx - 65 lbs. (29 kg)
- **Available mounting for**: Round pole: 2” - 8” Square post: 4”, 6”, 4”x 6” Telespar & U-Channel: 2”

**WARRANTY**

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

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### CONTACT

JSF Technologies is backed by a select group of resellers around the globe. To find a representative in your region please contact us:

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Rev C.2 — September 4, 2018

*Specifications subject to change without notice.*