<table>
<thead>
<tr>
<th>Series Option</th>
<th>Configuration Option</th>
<th>Size Option</th>
</tr>
</thead>
<tbody>
<tr>
<td>1400 Beacon</td>
<td>AB (Pedestrian Activated)</td>
<td></td>
</tr>
<tr>
<td>2400 Beacon</td>
<td>FL (24 Hr. Flashing)</td>
<td>8” Lens</td>
</tr>
<tr>
<td>3400 Beacon</td>
<td>SZ (School Zone)</td>
<td>12” Lens</td>
</tr>
<tr>
<td>7400 Beacon</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5800 LED Sign</td>
<td>Multiple sign options are available. Call for details.</td>
<td>Sign Sizes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>24” x 24”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>30” x 30”</td>
</tr>
<tr>
<td></td>
<td></td>
<td>36” x 36”</td>
</tr>
<tr>
<td>9200 RRFB</td>
<td>AB (Pedestrian Activated)</td>
<td>2” x 5” Lens</td>
</tr>
<tr>
<td>9400 RRFB</td>
<td>SZ (School Zone)</td>
<td>3” x 7” Lens</td>
</tr>
</tbody>
</table>
Data Sheet
24-Hour Flashing Beacon: 1400 Series
FL-1408, FL-1412

Applications
The 24-hour flashing beacon is the perfect solution for temporary or permanent locations such as:

- **Stop Signs**: Draw attention to stop signs that go unnoticed by drivers.
- **Warning Signs**: Accent warning signs that convey critical information.
- **New Signs**: Highlight new signs for the first few weeks following installation.
- **Speed Reduction Signs**: Emphasize traffic speed signs in special zones or at transition points.
- **Construction Zones**: Enhance construction workers safety.

Benefits
- **High Quality**: Designed and manufactured in North America.
- **Clean Technology**: Solar-powered and wireless to save on power bills and end roadway trenching.
- **Flexible**: Adjustable flash pattern to meet regulatory requirements.
- **Reliable**: Energy management system to ensure operation under all environmental conditions.
- **Simple**: Installs in minutes to minimize traffic disruption and allow for relocation and re-purposing.
- **Elegant**: Self-contained, cabinet-free, discrete design to enhance streetscapes and inhibit vandalism.
Specifications

**System Overview**
- **Certification**: CE and UL certified electrical components
- **Compliance**: FHWA MUTCD compliant, FCC EMC Class A verified
- **Operation**: Continuous, 24-hours a day, 365 days a year
- **Flash patterns**: MUTCD (0.5 second on, 0.5 second off) or JSF Tech High Visibility Strobe Pattern
- **Operating temperature**: -40°F to +165°F (-40°C to +74°C)
- **Controller input voltage**: 12 V DC
- **Solar panel**: 16-20 W nominal 12 V, CE and TUV certified
- **Battery storage**: AGM 12 V, 18 Ah, UL certified, field replaceable, Optional cold weather battery upgrade
- **Alternate power**: AC / Solar hybrid available (hybrid includes “Battery Tender® 800”), AC-Only available

**Power Management**
- **Charged capacity**: Up to 30 days (without charging)
- **Auto brightness**: 6 stages of brightness for different light conditions and battery levels
- **Customizable**: Automatic brightness disabled on request
- **Self monitoring**: Visual notification of sub-optimal operation

**LED Module**
- **Standard**: ITE VTCSH-STD 2005
- **Lens**: UV stabilized polycarbonate and Abrasion resistant
- **Size**: 8” or 12” diameter (200 mm or 300 mm)
- **LED color**: Amber or red

**Physical Design**
- **Configuration**: Fully self-contained
- **Color**: Black, green or yellow, Custom colors also available
- **Solar engine**: 6061-T6 powder coated aluminum
- **Signal housing**: Polycarbonate
- **Weight**: Approx — 31–34 lbs. (14–15 kg)
- **Available mounting for**: Round pole: 2”, 3”, 4.5”
  Square post: 4”, 6”, 4”x 6”
  Telespar and U-Channel: 2”
  Mid-pole side mount

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

Contact
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Rev C — June 23, 2015
*Specifications subject to change without notice.*
**Applications**

The 24-hour flashing beacon is the perfect solution for temporary or permanent locations such as:

- **Stop Signs**
  - Draw attention to stop signs that go unnoticed by drivers.

- **Warning Signs**
  - Accent warning signs that convey critical information.

- **New Signs**
  - Highlight new signs for the first few weeks following installation.

- **Speed Reduction Signs**
  - Emphasize traffic speed signs in special zones or at transition points.

- **Construction Zones**
  - Enhance construction workers safety.

**Benefits**

- **High Quality**
  - Designed and manufactured in North America.

- **Clean Technology**
  - Solar-powered and wireless to save on power bills and end roadway trenching.

- **Flexible**
  - Adjustable flash pattern to meet regulatory requirements.

- **Reliable**
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- **Simple**
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**Specifications**

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- **Certification**: CE and UL certified electrical components
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- **Operating temperature**: -40°F to +165°F (-40°C to +74°C)
- **Controller input voltage**: 12 V DC
- **Solar panel**: 32–40 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 / Solar hybrid available (hybrid includes “Battery Tender® 800”), AC-Only available

### LED Module

- **Standard**: ITE VTCSH-STD 2005
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- **Size**: 8” or 12” diameter (200 mm or 300 mm)
- **LED color**: Amber or red

### Physical Design

- **Configuration**: Fully self-contained
- **Color**: Black, green or yellow, Custom colors also available
- **Solar engine**: 6061-T6 powder coated aluminum
- **Signal housing**: Polycarbonate
- **Weight**: Approx — 64–70 lbs. (29–32 kg)
- **Available mounting for**: Round pole: 3.5", 4.5" Square post: 4", 6", 4"x 6" Mid-pole side mount

### Power Management

- **Charged capacity**: Up to 30 days (without charging)
- **Auto brightness**: 6 stages of brightness for different light conditions and battery levels
- **Customizable**: Automatic brightness disabled on request
- **Self monitoring**: Visual notification of sub-optimal operation

### Warranty

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

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Customizable: Automatic brightness disabled on request

Self monitoring: Visual notification of sub-optimal operation

LED Module

Standard: ITE VTCSH-STD 2005
Lens: UV stabilized polycarbonate and Abrasion resistant
Size: 8” or 12” diameter (200 mm or 300 mm)
LED color: Amber or red

Physical Design

Configuration: Fully self-contained
Color: Black, green or yellow, custom colors also available
Solar engine: 6061-T6 powder coated aluminum
Signal housing: Polycarbonate
Weight: Approx — 64–70 lbs. (29–32 kg)
Available mounting: Horizontal overhead side mount bracket

Warranty

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* other sign types, shapes and sizes also available
FL-5801-E: Solar Powered 24-Hour Flashing Stop Sign

**Specifications**

**System Overview**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Certification</td>
<td>CE and UL certified electrical components</td>
</tr>
<tr>
<td>Compliance</td>
<td>FHWA MUTCD compliant, FCC EMC Class A verified</td>
</tr>
<tr>
<td>Operation</td>
<td>Continuous, 24-hours a day, 365 days a year</td>
</tr>
<tr>
<td>Flash patterns</td>
<td>MUTCD (0.5 second on, 0.5 second off) or JSF Tech High Visibility Strobe Pattern</td>
</tr>
<tr>
<td>Operating temperature</td>
<td>-40°F to +165°F (-40°C to +74°C)</td>
</tr>
<tr>
<td>Controller input voltage</td>
<td>12 V DC</td>
</tr>
<tr>
<td>Solar panel</td>
<td>32-40 W nominal, 12 V, CE and TUV certified</td>
</tr>
<tr>
<td>Battery storage</td>
<td>AGM 12 V, 36 Ah, UL certified, field replaceable, Optional cold weather battery upgrade</td>
</tr>
<tr>
<td>Alternate power</td>
<td>AC / Solar hybrid available (hybrid includes &quot;Battery Tender® 800&quot;), AC-Only available</td>
</tr>
</tbody>
</table>

**Power Management**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Charged capacity</td>
<td>Up to 30 days (without charging)</td>
</tr>
<tr>
<td>Auto brightness</td>
<td>6 stages of brightness for different light conditions and battery levels</td>
</tr>
<tr>
<td>Customizable</td>
<td>Automatic brightness disabled on request</td>
</tr>
<tr>
<td>Self monitoring</td>
<td>Visual notification of sub-optimal operation</td>
</tr>
</tbody>
</table>

**LED Module**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Light output</td>
<td>102 lumens</td>
</tr>
<tr>
<td>Size</td>
<td>0.75” (20mm)</td>
</tr>
<tr>
<td>LED color</td>
<td>Red</td>
</tr>
</tbody>
</table>

**Physical Design**

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Configuration</td>
<td>LED sign with separate solar engine</td>
</tr>
<tr>
<td>Sign size (square)</td>
<td>24”, 30”, 36”, or 48” and others upon request</td>
</tr>
<tr>
<td>Solar engine</td>
<td>6061-T6 powder coated aluminum</td>
</tr>
<tr>
<td>Solar engine color</td>
<td>Black, green or yellow, Custom colors also available</td>
</tr>
<tr>
<td>Solar engine weight</td>
<td>Approx — 52 lbs. (24 kg)</td>
</tr>
<tr>
<td>Mounting options</td>
<td>Round pole: 3.5”, 4.5”</td>
</tr>
<tr>
<td></td>
<td>Square post: 4”, 6”, 4” x 6”</td>
</tr>
</tbody>
</table>

**Warranty**

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

---

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### LED Module
- **Standard**: ITE VTCSH-STD 2005
- **Lens**: UV stabilized polycarbonate and Abrasion resistant
- **Size**: 8” or 12” diameter (200 mm or 300 mm)
- **LED color**: Amber or red

### Physical Design
- **Configuration**: Fully self-contained
- **Color**: Black, green or yellow
- **Custom colors also available**
- **Solar engine**: 6061-T6 powder coated aluminum
- **Signal housing**: Polycarbonate
- **Weight**: Approx — 63–69 lbs. (28–31 kg)
- **Available mounting**: Mid-pole side mount

### Power Management
- **Charged capacity**: Up to 30 days (without charging)
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