

## Product Evaluation

### RE: Review of Carmanah SC315-G Rectangular Rapid Flashing Beacon

#### **PRODUCT**

Carmanah SC315-G Rectangular Rapid Flashing Beacon is manufactured by Carmanah Technologies Corp. located in Victoria, BC and distributed in Alberta by ATS Traffic located in Edmonton, AB. Website: <https://carmanah.com/>

#### **VENDOR CLAIMS AND INFORMATION**

##### **CLAIMS**

Carmanah SC315-G RRFB is an improvement on the traditional crosswalk warning light because it uses high-intensity LEDs, which are exceptionally noticeable for drivers both during the day and at night. Their amber color and quick flash pattern (wig-wag + simultaneous or WW+S) make them easily visible when headlight glare, wet roads, or other situations create difficult nighttime lighting conditions. Studies have shown that the RRFBs can improve driver yield rates up to 96% and reduce crashes by 47%. This pedestrian-activated flashing beacon uses an irregular flash pattern to help pedestrians and cyclists be seen in any weather and any setting, whether day or night. The SC315-G is built to last: durable and dependable.

##### **DESCRIPTION**

The Carmanah SC315-G Rectangular Rapid Flashing Beacon (RRFB) includes various solar panel and battery options or an AC connection to help improve yield compliance at uncontrolled crossings, even in shaded locations or where daily activations are high. Options include a microwave-based passive activation sensor to detect pedestrians and audible pushbutton support to improve accessibility.

##### **POTENTIAL USAGE**

Crosswalk improvement

##### **STANDARDS**

Not Provided

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has no experience with this product

##### **APPLICABLE STANDARDS**

The Alberta Transportation specification for Highway Signs is as follows:

Alberta Transportation Specification 5.18, Supply of Permanent Highway Signs, Posts and Bases

##### **RECOMMENDATIONS**

Carmanah SC315-G Rectangular Rapid Flashing Beacon be listed as a Potential Product under Alberta Transportation Products List, Signs and Support Systems - Specialized Applications - Warning Signs – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

##### **RESTRICTIONS ON USE**

Caveat:

#### **TRIAL PROJECTS**

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