

Product Evaluation

RE: Review of STP-LUX lighting system

PRODUCT

STP-LUX lighting system is a crosswalk lighting system manufactured by Traffic Innovation Inc. located in St. Eustache, Quebec and it is distributed in Alberta by Roadway Traffic Products located in Edmonton, Alberta. Website: <https://traffic-innovation.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

Pedestrians must be visible day and night to be safe when crossing the road. The STP-LUX lighting system was specifically designed to illuminate crosswalks for pedestrians and drivers. Its asymmetric optics project light beams vertically and horizontally to illuminate both the pedestrian and markings on the road. With an average luminescence of 100 to 250 lux, the STP-LUX lighting system provides a stark contrast between the crosswalk and its surrounding environment to ensure maximum visibility and safety for all road users.

DESCRIPTION

The STP-LUX lighting system is an automatic night activation crosswalk lighting system with the photoelectric cell integrated in the system. Flashing beacons light up day and night to ensure maximum for pedestrians. Push button, pedestrian detector or both can be added to the system.

POTENTIAL USAGE

At Crosswalks

STANDARDS

CSA # 08 12 09 81262 002

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has no experience with this product

APPLICABLE STANDARDS

Alberta Transportation Standard Specification 2.25 Street Lighting
Alberta Transportation Highway Lighting Guide

RECOMMENDATIONS

STP-LUX lighting system be listed as a Potential Product under Alberta Transportation Products List, Electrical Equipment – Crosswalk Lighting Luminaires – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat: Crosswalk Lighting LED Luminaires must have Correlated Color Temperature (CCT) of 4000K +/- 300k only and LED Luminaires must ensure minimum average luminance level of 0.60 cd/m².

TRIAL PROJECTS

Rishi Adhikari

cc Innovations Evaluation Committee – Roger Skirrow,
Rokibul Khan