

## Product Evaluation

### RE: Review of SMARTlume LED Lighting

#### **PRODUCT**

SMARTlume LED Lighting is manufactured and distributed by Schreder Incorporated located in Saint-Laurent, Quebec.

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

##### **CLAIMS**

SMARTlume LED Lighting is a cost-effective and efficient lighting solution. SMARTlume LED Lighting can be installed quickly in retrofit or new construction and is IES compliant and market leading optics for roadway lighting. SMARTlume LED Lighting is also certified for 3G bridge and overpass vibrations standards ANSI C136. Web link for this product: <http://www.schreder.com/cas-en/Pages/default.aspx>

##### **DESCRIPTION**

SMARTlume LED Lighting is a low-profile, budget-friendly outdoor lighting solution designed to perform in a wide range of municipal and roadway applications. SMARTlume's high quality provides sustained lighting and aesthetic appeal for the lifetime of an installation.

##### **POTENTIAL USAGE**

SMARTlume LED Lighting is a cost-effective and efficient outdoor lighting solution that delivers long lasting performance in a variety of applications that include; major and minor roadways; city streets; parking lot applications; municipal parks and recreation areas. SMARTlume LED Lighting operating temperature range from -40C to +55C.

##### **STANDARDS**

SMARTlume is ETL approved

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has used this product at a trial site.

##### **APPLICABLE STANDARDS**

Alberta Transportation Standard Specification 2.25 Street Lighting

*Caveat: Street 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.*

##### **RECOMMENDATIONS:**

SMARTlume LED Lighting be listed as a Trial Product under Alberta Transportation Products List, Electrical Equipment – Highway Lighting Products – Street Lighting Luminaires – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

#### **TRIAL PROJECTS**

Deerfoot trail from 22x to country hill Blvd (2018)

Rishi Adhikari

cc Innovation Evaluation Group – Roger Skirrow  
Rokibul Khan, Muhammad Arif