

## **Product Evaluation**

### **RE: Avento 1 and 2**

#### **PRODUCT INFORMATION**

Product Name: Avento 1 and 2  
Website: <https://www.schreder>

Manufacturer: Schreder Inc., Montreal, QC  
Supplier: Schreder Incorporated, Montreal, QC

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

##### **CLAIMS**

Avento 1 and 2 LED Lighting offers a superior lumen/watt ratio to deliver a high-performing, energy efficient, lighting solution at an affordable price for various landscapes including pedestrian zones, streets, roads, car parks and motorway. The Avento range combines the energy efficiency of LED technology with the photometric performance of the MidFlex™ concept developed by Schröder. It offers scalable lumen packages with modular quantities of LEDs and various driving currents.

##### **DESCRIPTION**

The Avento luminaires are composed of two parts in painted die-cast aluminium. The luminaires are equipped with two silicone gaskets, one for the gear compartment and one for the optical unit, to ensure a high tightness level and maintain performance over time. Avento 1 and Avento 2 is delivered with a covered mounting part. The Avento 1 and 2 are designed for side-entry mounting with a universal fixation for spigots from 42 to 60mm (1.5" to 2").

##### **POTENTIAL USAGE**

Avento 1 Lighting can be used at motor ways, car and lorry parks, large squares.  
Avento 2 LED Lighting can be used at sport avenues, industrial and retail areas, transport facilities.

##### **STANDARDS**

#### **ALBERTA TRANSPORTATION AND ECONOMIC CORRIDORS COMMENTS**

##### **EXPERIENCE**

Transportation and Economic Corridors has no experience with this product.

##### **APPLICABLE STANDARDS**

Alberta Transportation Standard Specification 2.25 Street Lighting; Alberta Transportation Highway lighting Guide, Alberta Transportation Light Emitting Diode (LED) Luminaire Specification

##### **RECOMMENDATIONS**

Avento 1 and 2 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.

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

Caveat:

Design values must comply with the LED specification documents. Luminance level shall be equal to or above 0.6 cd/m<sup>2</sup> all the time with no exceptions.

Minimum Warranty Requirement - Ten years after the installation of Street Lighting Luminaires.

**TRIAL PROJECTS**

Avento 1 installed at various locations at Deerfoot Trail (installed in 2025)

Rishi Adhikari

cc New Products Evaluation Group – Kristen Tappenden, Saeed Ahmed