

## **Product Evaluation**

### **RE: Review of GE Evolve ERL1 (Formerly called ERLH) Local Roadway High Output Cobra Head Street Light**

#### **PRODUCT**

GE Evolve ERLH Local Roadway High Output Cobra Head Street Light Series is manufactured by Current, Powered by GE located at East Flat Rock, North Carolina and is distributed in Alberta by Dynarep sales Group Inc. located in North Saanich, BC.

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

##### **CLAIMS**

GE's reflective optics are designed to optimize application efficiency and minimize glare. The design incorporates the heat sink directly into the unit for heat transfer to prolong LED life. This reliable unit has a 100,000 hour design life, significantly reducing maintenance needs and expense over the life of the fixture. This efficient solution lowers energy consumption compared to a traditional HID fixture for additional operating cost savings. Product Web link: <https://www.gecurrent.com/>

##### **DESCRIPTION**

The ERLH Series offers output range of 1900-30000 lm. The unit is coated with minimum of 2.0 mil. thickness Corrosion resistant polyester powder paint. It comes with standard colours of Black, Gray and Dark Bronze.

##### **POTENTIAL USAGE**

GE Evolve ERLH Street Lights can be used at Local Roadways, Collector Roadways and Major Roadway/Streets.

##### **STANDARDS**

#### **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**

GE Evolve ERLH Local Roadway High Output Cobra Head Street Light Series be listed as a Potential Product under Alberta Transportation Products List, Electrical Equipment – 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: 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/m<sup>2</sup>.  
Minimum Warranty Requirement - Ten years after the installation of Street Lighting Luminaires.

#### **TRIAL PROJECTS**

Rishi Adhikari

cc: Innovations Evaluation Committee – Kristen Tappenden  
Saeed Ahmad