

Product Evaluation

RE: Review of GE Evolve ERL2 Local Roadway Double Module Cobra Head Street Light

PRODUCT

GE Evolve ERL2 Local Roadway Double Module Cobra Head Street Light Series is manufactured by Current, Powered by GE located at East Flat Rock, North Carolina and it is distributed in Alberta by Dynarep sales Group Inc. located in Kelowna, 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://products.currentbyge.com/>

DESCRIPTION

The ERL2 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 ERL2 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 ERL2 Local Roadway Double Module Cobra Head Street Light Series be listed as a Trial 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/m².

TRIAL PROJECTS

HIGHWAY 1:21 KM 4.360 to 8.070 Medicine Hat, Tender: TND0019411

Rishi Adhikari

cc: Innovations Evaluation Committee – Roger Skirrow, Rokibul Khan
Hal Cook / Rokibul Khan / Muhammad Arif