

Product Evaluation

RE: Review of GE Evolve ERHM03 High Mast Luminaire

PRODUCT

GE Evolve ERHM03 High Mast Luminaire 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. Product Web link: <https://products.currentbyge.com/>

VENDOR CLAIMS AND INFORMATION

CLAIMS

GE's unique reflective optics are designed to optimize application efficiency and minimize glare. Its Flat, tempered glass lens is less prone to dirt accumulation, resulting in less than 1% LDD per year, over ten years. The ERHM luminaire is an efficient solution lowering energy consumption as compared to traditional HID fixtures providing operating cost savings. It is offered up to 110,000 Lumens with up to 177 LPW.

DESCRIPTION

GE Evolve ERHM02 High Mast Luminaire has units coated with minimum of 2.0 mil. thickness Corrosion resistant polyester powder paint. It comes Gray colour.

POTENTIAL USAGE

The Evolve ERHM02 High Mast Luminaire is optimized for customers requiring a LED solution for expressway, freeway interchanges and other large area applications.

STANDARDS and TESTS

Salt Spray Test Record for GE Powder Paint 3000 Hours

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has experience with other similar products

APPLICABLE STANDARDS

Alberta Transportation Standard Specification 2.25 Street Lighting
Alberta Transportation Highway Lighting Guide, LED Luminaire specification by AT

RECOMMENDATIONS

GE Evolve ERHM03 High Mast Luminaire be listed as a Trial Product under Alberta Transportation Products List, Electrical Equipment – Street Lighting Luminaires (Highmast) – Proprietary, based on the information provided. Final acceptance as a proven product will be based on field performance.

RESTRICTIONS ON USE

Caveat:

1. 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.
2. Minimum Warrantee Requirement - Ten years after the installation of Street Lighting Luminaires.

TRIAL PROJECTS

Hwy 2:18 / 40th Avenue Interchange (installed in 2023)

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