

## Product Evaluation

### RE: Review of Think Induction Lighting

#### **PRODUCT**

Think Induction Lighting is manufactured by Reonac, located in Point-Clair, Quebec and distributed by K Drummond Enterprises Ltd located in Edmonton, Alberta.

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

##### **CLAIMS**

Think Induction Lighting is a fluorescent lamp without electrodes or filaments. Induction lamps have a long life span due to the lack of internal electrodes and very high energy efficiency due to high frequency electronic ballasts which are 95% efficient. Induction lighting products provide 100,000 hours of service before re-lamping, therefore no costly bulb replacement every 2 to 5 years. Other Induction Lighting benefits are; instant start, flicker free, environmentally friendly, 100% recyclable, no liquid mercury in bulbs, lower energy consumption and lowest heat output technology is available. Web link for this product: <http://www.reonac.com/>

##### **DESCRIPTION**

The Think Induction Lighting is an electrode-less fluorescent without electrodes, the lamp relies on the fundamental principles of electromagnetic induction and gas discharge to create light. Rings with magnetic coils create an electromagnetic field using a high frequency generated by the electronic ballast which is 95% efficient.

##### **POTENTIAL USAGE**

Think Induction Lighting are used to provide light for roadways, tunnels, bridges and parking lots.

##### **STANDARDS**

CSA Canadian Standards Association  
C UL Underwriters Laboratories of Canada

#### **ALBERTA TRANSPORTATION COMMENTS**

##### **EXPERIENCE**

Alberta Transportation has used this product at a maintenance facility in the Lethbridge region.

##### **APPLICABLE STANDARDS**

Alberta Transportation Standard Specification 2.25 Street Lighting

##### **RECOMMENDATIONS:**

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

#### **TRIAL PROJECTS**

Rest area in the Lethbridge area

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow  
Richard Chow /Jim Poole/Blair Knott/Jim Gavin