

RE: Review of Swarco LED Modules for Traffic and Pedestrian Signals

PRODUCT

Swarco Traffic Management Incorporated manufactures a wide selection of highway materials that are designed to withstand today's challenging road and climate conditions. Swarco LED Modules are manufactured by Swarco Traffic Management located in Columbia, Tennessee and distributed by Econolite Canada Limited located in Calgary, Alberta.

VENDOR CLAIMS AND INFORMATION

CLAIMS

Swarco offers several models of LED traffic signal lamps that incorporate a conventional incandescent look in multiple configurations.

DESCRIPTION

Light emitting diodes (LEDs) are compound semiconductor devices that convert electricity to light when biased in the forward direction. Swarco standard wiring harness incorporates user friendly Molex plug which allows for the combo female spade to male termination.

POTENTIAL USAGE

Swarco offers LED traffic products for traffic control signals and LED marking systems. This product has been approved and used across the United States.

STANDARDS

CSA	Canadian Standards Association
NEMA	National Electrical Manufacturers Association
ITE	Institute of Transportation Engineers - 2005

ALBERTA TRANSPORTATION COMMENTS

EXPERIENCE

Alberta Transportation has limited experience with LED signal heads.

APPLICABLE STANDARDS

At present Alberta Transportation references the ITE specifications for LED signal heads.

RECOMMENDATIONS:

Swarco LED modules be listed as a Proven Product under Alberta Transportation Products List, Traffic Control Devices – Traffic signals – Proprietary, based on the information provided.

TRIAL PROJECTS

Stoney Plain Hwy 628 and golf Course Road

Joe Filice

cc New Product Evaluation Standing Committee – Roger Skirrow
Richard Chow
Steve Otto
Jim Gavin