

Examination of Estimates of Expenditure 2008-09

Reply Serial No.

THB(T)051

**CONTROLLING OFFICER'S REPLY TO
INITIAL WRITTEN QUESTION**

Question Serial No.

0985

Head: 60 - Highways Department Subhead (No. & title):

Programme: (4) Technical Services

Controlling Officer: Director of Highways

Director of Bureau: Secretary for Transport and Housing

Question:

The Highways Department will provide better lighting fixtures in 2008-09. As some overseas countries have already introduced the technology of light-emitting diode (LED) to public lighting facilities, will the Government examine the feasibility of introducing LED to public lighting in Hong Kong? If yes, what are the details? If not, what are the reasons?

Asked by: Hon. LEE Wing-tat

Reply:

The luminous efficacy of commercially available LED lamps is currently not higher than 50 lumen per watt, which is much lower than that of the public lighting installations being used in Hong Kong (90 – 150 lumen per watt). That means LED lamps require more electrical energy and cost to achieve the same level of illumination. Therefore, they have so far not been put on trial for use in public lighting. Highways Department has however been staying in touch with LED lamp suppliers. If LED lamps of higher efficiency are successfully developed in future, we shall try to test their suitability for public lighting in Hong Kong.

Signature _____

Name in block letters WAI CHI SING

Post Title Director of Highways

Date 25 March 2008

