

導入LED路燈經濟效益評估之研究-以台中市為例

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### 摘要

As the awareness for environment protection and energy consevation rises, the energy-efficient LED street light were introduced in many countries to replace the tradional light sources. However, compare to the traditional street lights, the cost of LED street light is still too expensive. Calculating the dollar values of either the maintenance or energy savings between traditional and LED luminaires is at present only a theoretical exercise. Referred to the lighting demonstration project conducted under the U.S. Department of Energy GETEWAY Demonstration Program, we build up an economic performance assessment model of Taiwan. Finally, recommendations are made to both the government and manufacturers for the future palnning of replacement of LED street light.

關鍵字：LED street light, Assessment of Economic Profit