



# Wairere Drive

## Leading the way with LED technology.

*This extension of Hamilton's Ring Road was the first section to see the benefits LED light. The extension from River Road to Resolution Drive provides the latest link in the Hamilton Ring Road. A major arterial transport corridor network and a key component of the access Hamilton strategy.*

**"The LED lighting meets all of the project deliverables for lighting this important stretch of arterial road and provides a particularly bright and safe night time driving experience."**

- Phil Consedine Hamilton City Council

## Challenges/Solutions

The initial plans for this extension planned for HPS lamps and the pole placements were made accordingly. The new LED lighting solution had to be designed around the predetermined pole spacing and mounting heights.

Cree XSP Series was chosen as the appropriate LED solution. This 101W LED street light was able to meet the lighting technical parameters and also utilise the predetermined pole spacing designed for the 175Watt HPS lanterns.

A relatively new technology at the time, LED was chosen for its energy saving capabilities, and clean white light. These light fittings also offered excellent spill light control. LED street lighting provides excellent visibility and helps drivers to stay safe at feel at ease on the road.

## Key Benefits

- **The first LED application in this area**
- **Saving 40% energy costs compared to the specified HID light fittings**

*Light up your world!*

Advanced Lighting Technologies: 0800 788 369 [www.adlt.co.nz](http://www.adlt.co.nz)



**Advanced**  
LIGHTING TECHNOLOGIES



### Project Title

- Wairere Drive, Hamilton, NZ

### Client

- Hamilton City Council

### Advanced Lighting Specialist

- Michael Best  
- Abhishek Wali

### Project Completion Date

- August 2014

### Applications

- Councils/Government

### Services

- Lighting calculation services  
- Product supply

### Product

- Cree XSP Series  
- XSP2 1P66 Type 2M Optics



XSP IP66 SERIES



### Product Warranties

Light Fittings – Cree Manufacturer's  
Warranty of 10 years

Light Fittings - Application Life of 20 years

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