



Maunganui Road

A classic look – from day to night.

The existing HPS Luminaires on Maunganui Road were installed almost 20 years ago and were due for an upgrade. Tauranga City Council decided to make the logical transition to LEDs.

Challenge

The old 150W HPS lamps were cumbersome and dated and a fresh aesthetic was needed. The Maunganui Road Street Light Upgrade had three areas with different lighting challenges and requirements. The lighting application was also designed around the existing mounting heights and pole spacing.

Solution

The Cree XSP was chosen for this application. It has a simple slimline appearance during the day and bright clean white light at night which is much more pleasing to the human eye than the orange glow associated with HPS lamps.

The Pacific Avenue through to Banks Avenue section of road had an existing mounting height of 7.0 metres- a low mounting height for a CAT V Road. The existing pole spacing were approximately 30-35 metres. The Cree XSP1, 3/4EU Optic, 38 Watt option was chosen for this area.

From Banks Avenue to Rata Street we had to work with a large central median and irregular pole spacing's. For this application the Cree XPSP1, Type 2 Optic, 53 Watt was chosen. From Rata Street to Tawa Street there was a large central median, traffic management device and pedestrian refuge. The Cree XSP1, Type 3/4EU Optics, 43 Watt was chosen. All of the Cree XSP fixtures were supplied with a field adjustable driver.

Key Benefits

- **Excellent day-time/night-time aesthetics**
- **Clean white light**
- **Field adjustable driver**
- **Approximately 50% energy savings**

Before - Night



After- Night



After- Day



Project Title

- Maunganui Road, Tauranga, NZ

Client

- Tauranga City Council
- Wayne Thompson

Advanced Lighting Specialist

- Michael Best
- Abhishek Wali

Senior Project Engineer

- Trish Egger – Opus Consultants

Project Completion Date

- June/July 2015

Applications

- Councils/Government

Services

Perfect Light Reports – These reports demonstrated the lighting design was in compliance with CAT V3/V4 AS/NZS 1158 Standards

Product

- CREE XSP1 luminaires
- 68x units



XSP SERIES

Product Warranties

Light Fittings – Cree Manufacturer’s Warranty of 10 years
Light Fittings - Application Life of 20 years

“ The Cree luminaires have greatly enhanced both the day and night aesthetics. The Tauranga City Council is pleased to have made the transition to LEDs for this project. ”

- Wayne Thompson: Traffic Safety and Planning Specialist