

**From:** [Official Information](#)  
**To:** 7(2)(a)  
**Cc:** [Official Information](#)  
**Subject:** Final Response - LGOIMA 298724 - 7(2)(a)  
installation/retrofitting of LED streetlighting  
**Date:** Tuesday, 17 January 2023 11:11:52 am  
**Attachments:** [image001.png](#)

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Kia Ora,

I refer to your **information request below**, Hamilton City Council is able to provide the following responses.

**Your Request (a)**

Has your council taken part in the NLTF funding scheme for the accelerated roll-out of LED road lighting?

**Our Response (a)**

Yes, Hamilton City Council did take part in the NLTF funding scheme for the accelerated roll-out of LED street lighting.

**Your Request (b)**

How many fixtures are there currently in your district?

**Our Response (b)**

There are currently 19,258 fixtures in Hamilton including streets lights, under veranda lights, amenity lights and decorative lights.

**Your Request (c)**

How many of these (b) are currently LED fixtures, and in what year were they installed? (Please provide number of luminaires installed per year)

**Our Response (c)**

Records within Roads Assets Maintenance Management data base identifies the following lights are LED as reflected in the table below. Council has a total of 17,994 LED lights.

1 January to 31 December	Total LED lights installed
2017	830
2018	11,114
2019	1209
2020	75
2021	1818
<b>TOTAL</b>	<b>17,994</b>

**Your Request (d)**

How many of these (b) are not yet LED and will be replaced with LED fixtures in the future, and approximately when? (Please indicate if replacement is planned to happen in by Dec 2023, Dec 2024, Dec 2027, or later, or is currently not planned).

### **Our Response (d)**

There are 1264 lights which include streets lights, under veranda lights, amenity lights and decorative lights that have not been replaced with LED lighting. There is no budgeted works planned for the bulk conversion of remaining lighting to LED. However, when lamps are required to be renewed; due to condition, failure, or replacement from crash damage, Council will take the opportunity to replace them with LED lighting.

### **You Request (e)**

What is the colour temperature of the fixtures currently (c) and in the future to be (d) installed (e.g. 4000K)? If different colour temperatures are (to be) installed, please provide a breakdown of how many at which temperature.

### **Our Response (e)**

Hamilton City Council use warm white LED lighting, with 3000k luminaire temperature, custom designed to reduce spill over glare into houses while being less harsh on the eyes and more energy efficient. The [Regional Infrastructure Technical Specifications](#), 3.3.20.23, page 119, outlines the criteria for approved Luminaires as below.

#### **3.3.20.23 Approved Luminaires**

*Luminaires shall be of the LED type and shall comply with the requirements of NZTA Specification M30.*

*The Council will accept only luminaire units from the NZTA Specification M30 approved list which meet the following criteria:*

- Lead-in time for luminaire is no greater than 6 weeks*
- Lead-in time for spare parts is no greater than 3 weeks*
- Maximum total weight is no greater than 12 kg*
- Initial Lumen to system wattage ratio is 90 or greater*
- Power factor shall be 0.9 or greater*
- An adjustable tilt/mechanism of +5° or -10° in incremental steps of 5° is desirable*
- 3000 Kelvin luminaires to be used on both P and V category roads. Note that this deviates from that specified in NZTA specification M30 but approval has been given by the NZ Transport Agency for their use. Refer to M30 for the latest list of accepted luminaires.*

### **Request (f)**

How many of the LED fixtures currently (c) and in the future to be (d) installed are controllable, i.e. fitted with wireless central management system (CMS) technology?

### **Response (f)**

All LED fixtures currently installed do not have a wireless central management system (CMS).

### **Request (g)**

How many of the fixtures currently (c) and in the future to be (d) installed are control-enabled? (i.e. they are not currently controllable, but with an additional receptacle will be).

### **Response (g)**

There are currently seven LED lights with CMS technology installed near the Hamilton Observatory, however not currently operational. All other LED streetlights fixtures have the

capacity to be upgraded to CMS technology.

**Request (h)**

How many of the currently installed fixtures (c) are currently being controlled using wireless CMS technology?

If any, please specify the controls, for example:

- dimming intensity (e.g. 50% intensity)
- timing (e.g. dimmed to 50% intensity between 11pm – 6am)
- and/or motion sensed dimming (e.g. motion sensed dimming to 50% intensity between 11pm - 6pm).

**Response (h)**

There are no LED lights currently being controlled using wireless CMS technology in Hamilton. Therefore as this information does not exist we are refusing this part of your request per s17(e) of the Local Government Official Information and Meetings Act 1987.

You have the right to seek an investigation and review by the Ombudsman of this decision. Information about how to make a complaint is available at [www.ombudsman.parliament.nz](http://www.ombudsman.parliament.nz) or freephone 0800 802 602.

Kind Regards,

**Laura** | Official Information Coordinator

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