Compact fluorescent lamps sold or hired in New Zealand must, by law, comply with Minimum Energy Performance Standards (MEPS) requirements. This document outlines the requirements and how to meet them if you import or manufacture compact fluorescent lamps in New Zealand.
What do I need to do to comply with the law?

Importers and manufacturers of compact fluorescent lamps are required to:

**Step-1** ensure each compact fluorescent lamp model has been tested to AS/NZS 4847.1:2010 and meets or exceed the minimum energy performance levels in AS/NZS 4847.2:2010.

**Step-2** register each compact fluorescent lamp model through the energy rating website.

**Step-3** provide EECA with product sales data each year.

Why have MEPS for compact fluorescent lamps?

Minimum Energy Performance Standards (MEPS) improve the efficiency of compact fluorescent lamps saving on running costs and reducing greenhouse gas emissions over the life of the product.

Which compact fluorescent lamps are included?

MEPS covers self-ballasted compact fluorescent lamps with integrated means for controlling starting and stable operation that are intended for the domestic and similar general lighting purposes.

This includes products sold as part of a luminaire or sold as an individual lamp, and is irrespective of lamp voltage, wattage, or the type of lamp cap.

Which compact fluorescent lamps are excluded?

MEPS does not apply to specialised compact fluorescent lamps if they are clearly not intended for general illumination:

- Coloured compact fluorescent lamps (e.g. blue, red, green),
- insect repellent compact fluorescent lamps,
- compact fluorescent lamps which primarily emit Ultra Violet (UV) radiation,
- cold-cathode compact fluorescent lamps,
- self-ballasted mixed mercury vapour lamps.
### Which standards and regulations apply?


AS/NZS 4847.2:2010: Self-ballasted lamps for general lighting services—Minimum Energy Performance standards (MEPS) requirements, except that, despite clauses 4.2 and 5.3, the standard applies, with all necessary modifications, as if the provisions concerning the option for alternative certification by the Efficient Lighting Initiative or UK Energy Saving Trust programmes that is available in Australia is also available in New Zealand.


### How are energy levels calculated for compact fluorescent lamps?

Energy level requirements are calculated using a sample size of the particular lamp, which is dependent on the metric being tested. E.g. testing the starting time requires a sample size of 10, while testing the mercury content requires a sample size of 3.

Some tests are conducted on aged lamp e.g. run-up time is measured on a lamp that has been aged for 100 hours.

### What are MEPS requirements for compact fluorescent lamps?

MEPS requirements for compact fluorescent lamps can be found in Table 1: COMPLIANCE REQUIREMENTS in AS/NZS 4847.2:2010.

The requirement include, but are not limited to:

- Maximum start up time (time for lamp to admit light),
- maximum run-up time (time for lamp to reach 60% of its final luminous flux),
- minimum efficacy (ratio of lumens output to input power),
- minimum lumen maintenance (degradation of light luminance as the lamp ages),
- maximum premature lamp failure rate,
- minimum life,
- minimum Colour Rating Index (CRI),
- maximum mercury content,
- colour appearance,
- minimum switching cycle (on/off cycles).
How do I register a compact fluorescent lamp on the Energy Rating website?

If the compact fluorescent lamp you are about to register is already registered you are not required to register it.

To check, search for the model using the Energy Rating database: 
reg.energyrating.gov.au/comparator/product types


If you haven’t used the energyrating.gov.au website before, follow these instructions:

Step 1 Open the registration accounts page: reg.energyrating.gov.au/accounts/register. Apply for an account (normally processed in 24 hours, but may take up to a week).

Step 2 Once your account has been created you will receive an email confirming your account has been created and you can log in.

Step 3 Create an applicant if your organisation has not registered products in the past. If you create an applicant this is normally processed in 24 hours but may take up to a week. If your organisation has registered products in past then the Authorizing Officer must invite you to join the applicant. If this is not possible then you can contact the Energy Rating Team for assistance, using the ‘contact us’ tab in the E3 system.

Step 4 Once you are part of an applicant, create a new product registration (you will need a test report that clearly states the Standard the test report meets).

Step 5 Select ‘CFL Lamp (CF)’.

Step 6 Follow the steps until all fields are completed, and then submit it to the regulator.

Step 7 After submission, you will be e-mailed a Registration ID. Record this as you will need it to provide sales data each year.

The product is not registered until it has been approved by the Regulator (normally processed in 24 hours, but may take up to a week).

If the product’s model and/or brand is different on the test report when compared to what you sell the product as (model and brand on application), then you will also need to upload a declaration from the manufacturer stating that the product being registered is the same as the product in the test report.

To register in New Zealand the applicant must be based in New Zealand with New Zealand contact details.

An Applicant is defined as the company or organisation submitting product registration applications to the regulatory authorities.

Note: The ‘Help’ tab in the E3 registration system is full of useful videos and tutorials for registering your products.

Note: If you need any assistance during this process, use the ‘Contact Us’ tab in the E3 registration system or contact EECA: compliance@eeca.govt.nz

Note: A range of compact fluorescent lamp models, manufactured in multiple styles, may be registered as a product “family” if the family definition (as follows) is met.
**What is a family of models?**

A range of compact fluorescent lamps may be registered under a single registration if they:

- are marketed in the same product class or category,
- have identical physical size and component arrangements,
- have identical energy performance characteristics (on which compliance with MEPS is assessed),
- rely on, and use the same test report data for registration purposes.

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**What information do I need to provide to EECA each year and how do I do it?**

Importers and manufacturers are required, by law ([regulations here](https://www.eeca.govt.nz/webform/request-user-account)), to provide statistical information on sales data annually to EECA. This data is provided through our online tool and is kept confidential.

Data needs to be submitted every year by 1 August, for the period 1 April to 31 March. For example, data from 1 April 2015 to 31 March 2016 must be received by 1 August 2016. The information is submitted through the EECA website (between 1 April and 1 August) where you need to:

**Step 1** Request a user account at: [www.eeca.govt.nz/webform/request-user-account](https://www.eeca.govt.nz/webform/request-user-account). Normally processed in 24 hours but may take up to a week.

**Step 2** Once your account has been set up you will receive an email and can log in at: [https://www.eeca.govt.nz/Security/login](https://www.eeca.govt.nz/Security/login)

**Step 3** When logged in follow the links and instructions for the EECA sales data tool.

**Step 4** Enter your product data - you will need the products Registration ID number - the following information is required for each registration ID (model):

- Sales in New Zealand between 1 April and 31 March for the previous year,
- If you are still selling that particular product.

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**What if I want to import compact fluorescent lamps and sell them in both Australia and New Zealand?**

This information sheet applies to New Zealand only. If you wish to import and sell a compact fluorescent lamp in both Australia and New Zealand then the product must be registered in Australia. The compact fluorescent lamp needs to meet the MEPS requirements outlined by the Greenhouse Energy Emission Standard (GEMS) Determinations. Information on the GEMS Determinations can be found here: [https://www.legislation.gov.au/Details/F2017L00653](https://www.legislation.gov.au/Details/F2017L00653)
Where do I get additional information?

More information about regulated products and how to meet your legal obligations can be found at www.eeca.govt.nz/product-standards.

There is also information on the energy rating website at www.energyrating.gov.au.

If you have any questions, please email us at compliance@eeca.govt.nz, or phone EECA on 0800 358 676.