
The Hong Kong Voluntary Energy Efficiency Labelling Scheme for

**Non-integrated Type
Compact Fluorescent Lamps
November 2009**

Energy Efficiency  **EMSD**

Electrical and Mechanical Services Department

3 Kai Shing Street, Kowloon, Hong Kong

Homepage: <http://www.emsd.gov.hk>

Preface

The Hong Kong Voluntary Energy Efficiency Labelling Scheme for “Non-integrated Type Compact Fluorescent Lamp” (the Voluntary Scheme) was revised from the original Voluntary Energy Efficiency Labelling Scheme for “Compact Fluorescent Lamp” to cover the types of compact fluorescent lamps not regulated under the Energy Efficiency (Labelling of Products) Ordinance since November 2009. Basically, it included non-integrated type compact fluorescent lamps which were not covered by the Ordinance.

For compact fluorescent lamps under the Energy Efficiency (Labelling of Products) Ordinance, please refer to requirements under the Ordinance. The Ordinance was enacted since 9 May 2008 with a grace period of 18 months. The Scheme was commonly referred as the Mandatory Energy Efficiency Labelling Scheme.

The importers or local manufacturers were encouraged to participate in the Voluntary Scheme if their products fall into the classification of the Scheme.

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1. Purpose

This set of document is intended to give a general description on the Hong Kong Voluntary Energy Efficiency Labelling Scheme (EELS) for Non-integrated Type Compact Fluorescent Lamps (CFLs). For Compact Fluorescent Lamps regulated under the Energy Efficiency (Labelling of Products) Ordinance, please refer to the Ordinance.

2. Background

2.1 The EELS is an energy conservation initiative that the Government of the Hong Kong Special Administrative Region (HKSAR) has adopted. Under the scheme, some common types of household appliances and office equipment will incorporate an energy label that serves to inform consumers of the product's energy consumption and efficiency. Consumers should then be able to take those factors into account in making their purchasing decision.

2.2 The concept of EELS has been developed and implemented in several forms and in different stages of development. In some countries, as well as in Hong Kong, it is a compulsory requirement for certain kinds of electrical appliances to be provided with an energy label before they can be put on the market. The labelling requirements may apply to equipment such as household refrigerators, freezers, washing machines, room coolers, clothes dryers, CFLs, storage water heaters, etc. The EELS generally aims to achieve the following:

- greater public awareness of energy conservation and environmental improvement needs;
- provision of readily available, pre-purchase information on energy consumption and efficiency data, where applicable, to enable ordinary consumers to select more energy efficient products;
- stimulation to the manufacturers/market for phasing out less energy efficient models; and
- actual energy savings and environmental improvements, etc.

2.3 Hong Kong also aims at achieving the above objectives and the Hong Kong Voluntary EELS now covers eighteen types of household appliances and office equipment. Ten types of which are electrical appliances and seven types of office equipment. There is also one type of gas appliance for domestic gas instantaneous water heaters. The scope of EELS has also been extended to cover petrol passenger cars.

3. Mandatory Energy Efficiency Labelling Scheme

3.1 The Government had introduced a mandatory Energy Efficiency Labelling Scheme (EELS) through the Energy Efficiency (Labelling of Products) Ordinance which was enacted since 9 May 2008 with a 18-month grace period ended on 8 November 2009.

3.2 Under the mandatory EELS, energy labels are required to be shown on prescribed products for supply in Hong Kong to inform consumers of their energy efficiency performance.

3.3 Integrated-type compact fluorescent lamps having a rated lamp wattage up to 60 watts are classified as prescribed products and are regulated under the Energy Efficiency (Labelling of Products) Ordinance. The manufacturers or importers who supply prescribed products shall apply the energy label through the mandatory EELS.

4. Scope

- 4.1 The scheme will only apply to the manufacturers and importers (local agents, retailers and the related parties) who have participated in the voluntary scheme.
- 4.2 The scheme commenced from 29 December 1998, revised in November 2009, and will expire on 31 December 2012 when re-registration is necessary.
- 4.3 The scope of application covers all **new** registered appliances under the scope of the Scheme to be sold in Hong Kong with effect from the date that is declared by the participant but does not cover second-hand products, products already in use, under trans-shipment or export, etc.
- 4.4 The scheme will be operated as a 'Recognition Type' labelling system. All participating appliances will be registered under this scheme provided that they have met the performance requirement specified in the scheme.
- 4.5 The provisions of this scheme shall apply to non-integrated type CFLs which is electrically connected to permanently wired external ballast and is intended for general lighting purposes having the following characteristics:
- (a) those with a rated voltage of 220 volts;
 - (b) those with a rated input current frequency of 50 Hz.; **and**
 - (c) those with a rated lamp wattage up to 60 watts.
- 4.6 The scheme shall apply to non-integrated type CFLs designed for multi-level and/or dimming operation.
- 4.7 Non-integrated type CFLs operated with cold cathode and reflector type lamps are excluded from this scheme.

5. Definitions

Unless otherwise specified, the following definitions shall apply throughout this document:

ageing period	means the time required for the initial burn-in of the lamp.
Authority	means the Electrical & Mechanical Services Department, the Government of the Hong Kong Special Administrative Region (HKSAR).
ballast	means a device used with an electric-discharge lamp to obtain the necessary circuit conditions (voltage, current, and wave form) for starting and operating.
CFL adaptor	means a complete package that consists of a CFL and a lamp holder with an integrated ballast of which both are manufactured by the same manufacturer.
CIE	means International Commission on Illumination.
compact fluorescent lamps (CFLs)	means any type of small diameter fluorescent lamp which has a single cap with or without built-in control gear for operation.
control gear	means all necessary electrical elements that are required for starting and maintaining stable operation of the lamp.
Director	means the Director of Electrical & Mechanical Services Department, the Government of the Hong Kong Special Administrative Region.
Government	means the Government of the Hong Kong Special

Administrative Region.

IEC	means International Electrotechnical Commission.
inspecting officer	means the officer authorized by the Director to carry out inspection on appliances.
integrated type CFL <u>with</u> built-in control gear	means a single integrated assembly of lamp, ballast, and lamp base or a CFL adaptor that fits into a standard incandescent lamp socket.
label	means the energy label as described in Section 8 of this document.
lumen maintenance	means the luminous flux of a lamp at a given time in the rated average life of a lamp, including the initial operating hours, divided by the initial value of the luminous flux of the lamp and expressed as a percentage of the initial luminous flux.
luminous efficacy (lm/W)	means a ratio of luminous flux emitted by a lamp to the electrical power consumed by the lamp.
luminous flux (lm)	means a quantitative measure of light emitted by a light source. The quantity is derived from radiant flux (power in watts) by evaluating the radiation in accordance with the spectral sensitivity of the standard eye as described by the CIE Standard Photometric Observer.
non-integrated type CFL <u>without</u> built-in control gear	means a separate lamp that is electrically connected to a permanently-wired external ballast.
participant	means the manufacturers, importers or the retailers of appliance participating in the scheme.

rated average lamp life	means the expected time at which 50% of any large number of lamps reach the end of their individual life declared by the manufacturer or responsible distributor for the lamp.
rated frequency	means the frequency marked on the lamp or declared as such by the manufacturer or responsible distributor for the lamp.
rated voltage	means the voltage marked on the lamp.
rated wattage	means the wattage marked on the lamp.
recognized laboratory	means a laboratory that complies with the requirements as stated in Section 9 of this document and is acceptable to the Authority for carrying out tests and issuing test reports on non-integrated type compact fluorescent lamps.
reference ballast	means special ballast that at its rated frequency it has a stable voltage/current ratio which is relatively uninfluenced by variations in current, temperature and magnetic surroundings.
scheme	means the Hong Kong Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps.

6. Energy Efficiency Standards

Specific Energy Efficiency Requirements

- 6.1 The luminous efficacy for non-integrated type CFLs should be equal to or greater than the corresponding minimum allowable value as indicated in Tables 1 below.

Table 1: Minimum Allowable Luminous Efficacy for Non-integrated Type CFLs without Built-in Control Gear

Rated Lamp Wattage (L_w)	Minimum Allowable Luminous Efficacy (lumens/W)
$L_w \leq 10 \text{ W}$	50
$11 \text{ W} \leq L_w \leq 30 \text{ W}$	65
$L_w \geq 31 \text{ W}$	75

- 6.2 The aforesaid lamp luminous efficacy refers to values measured at the end of the 100 hours ageing period.
- 6.3 Unless otherwise indicated, the requirements set forth in this scheme shall apply to non-dimmable non-integrated type CFLs, and also to multi-level and/or dimmable non-integrated type CFLs that are operating at maximum power.
- 6.4 The luminous efficacy for a non-integrated type CFL without built-in control gear excludes the lamp control gear loss.

Other Performance Requirements

- 6.5 In addition to the specific energy efficiency requirements, the non-integrated type CFLs are also needed to meet the following performance requirements:
- all materials and workmanship shall comply with the Electrical Products (Safety) Regulation of the HKSAR and appropriate IEC Safety Standards;

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- (b) the rated average lamp life shall not be less than 6,000 hours; **and**
 - (c) lumen maintenance at 2,000 hours shall not be less than 78%.
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7. Test Standards

General

- 7.1 All test standards specified in this document are only related to checking compliance with the energy efficiency and general performance requirements. It is not the intention of this document to detail out the test standards and requirements for checking compliance with the Electrical Products (Safety) Regulation of the HKSAR. The participant should conduct appropriate tests, where necessary, in addition to those specified in this document in order to obtain Certificates of Safety Compliance for his appliances.

Test Standards - Safety Requirements

- 7.2 The testing standard for checking compliance with the safety requirements are based on the international standard. IEC 61199, single-capped Fluorescent Lamps – Safety Specifications. For detailed requirements and procedural descriptions one should refer to the respective standards.
- 7.3 To the extent that definitions in the IEC standards do not conflict with the definitions of this document, the definitions in the aforesaid standards shall be included.

Test Standards - Technical Performances

- 7.4 The efficacy value (lumens/watt) is the major criterion that determines whether a lamp can meet the specific energy efficiency requirement. Therefore, it is important that a common base is used to validate the information submitted by manufacturers from different countries for their appliances.

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- 7.5 The testing standards for measurement of electrical and photometric performances are based on the following international standards. For detailed requirements and procedural descriptions one should refer to the respective standards.
- (a) IEC 60969, Self-ballasted Lamps for General Lighting Services - Performance Requirements;
 - (b) IEC 60901, Single-capped Fluorescent Lamps - Performance Specifications; **and**
 - (c) CIE 84, The Measurement of Luminous Flux.
- 7.6 To the extent that definitions in the IEC and CIE standards do not conflict with the definitions of this document, the definitions in the aforesaid standards shall be included.

Test Conditions

- 7.7 The test conditions for non-integrated type CFLs without built-in control gear shall be as follows:
- (a) the selection, seasoning and stabilization of test lamps, and the test conditions shall be as described in Section 1 and Annex B of IEC 60901; **and**
 - (b) test lamps shall be tested either in base-up or horizontal mounted position.

Measurement of Lumen Output of Test Lamp

- 7.8 The lamp lumen output at the test conditions shall be measured in accordance with the requirements of CIE 84.

Measurement of Electrical Characteristics of Test Lamp

- 7.9 The electrical characteristics measurement and procedures shall be as described in Section 1 and Annex B of IEC 60901.

Measurement of Lumen Maintenance and Lamp Life

- 7.10 The lumen maintenance and lamp life at the test conditions shall be measured in accordance with Section 2 and Appendix A of IEC 60969.

Determination of Lamp Luminous Efficacy

- 7.11 Lamp luminous efficacy shall be determined by computing the ratio of the measured lamp lumen output and lamp electrical power input at equilibrium for the test

conditions. The resulting quotient shall be rounded off to the nearest unit of a lumen per watt.

8. Energy Label

General

- 8.1 Energy labels are classified into the following two types:
- (a) verification label; and
 - (b) information label.
- 8.2 A verification label indicates the appliance meets the minimum energy efficiency standards as required by the scheme. It is a compulsory requirement for participant to affix this label to his registered appliances.
- 8.3 An information label contains information to guide the general public to contact the Authority regarding enquires about the scheme. The affixation of this label to registered appliances is optional.

Label Location

- 8.4 The labels should be self-adhesive and affixed to the appliance packaging at a prominent location. The participant should ensure that the verification label appears on every registered appliance on display or sale and should be easily visible.

Colour Scheme & Dimensions

- 8.5 The labels should be printed on white-coloured self-adhesive sheet material and should have colour schemes and dimensions as shown in Annex 1. It should be printed in English and in Chinese.

Paper Quality

- 8.6 The paper used for the label should be durable and possess good wear and tear characteristics. It should stick tightly on the appliance packaging.

9. Testing Facilities, Laboratories and Accreditation Bodies

- 9.1 The testing is carried out either by independent test institutes or by the manufacturers or by importers themselves at their own test facilities. The Authority will accept the results and certificates issued by the test laboratory, which fulfills one of the following criteria as specified in Clause 9.2, 9.3 or 9.4.
- 9.2 The laboratory is accredited by the Hong Kong Accreditation Service (HKAS) for the relevant test under the Hong Kong Laboratory Accreditation Scheme (HOKLAS) or a scheme for which HOKLAS has concluded a mutual recognition agreement #, and the results are issued in a test report or certificate bearing the accreditation mark.
- 9.3 The Authority will also consider the following arrangements:
- (a) Self-certification by original manufacturers that the operations of their in-house laboratories satisfy the requirements of ISO/IEC 17025; and
 - (b) The manufacturers are currently operating according to a recognized international quality system (such as ISO 9001); and
 - (c) The manufacturer's in-house laboratories had been successful in carrying out tests on CFLs and where these tests had been evaluated and certified by third party internationally recognised certification organizations.
- 9.4 The Authority will also consider test results issued by a laboratory which is accredited by HKAS (or is accredited by an accreditation body which has concluded a mutual recognition arrangement with HKAS for testing laboratories) for laboratory testing of electrical and mechanical appliances other than testing based on the technical standards stipulated in this scheme, if the laboratory can demonstrate their capability of carrying out tests on compact fluorescent lamps based on IEC 60969, IEC 60901, CIE 84.

Laboratory Accreditation

- 9.5 The Government takes cognizance of the need to ensure acceptable and compatible quality standards of testing laboratories, and considers that they need to be accredited by some independent bodies.
- 9.6 The criteria of accreditation should be based on ISO/IEC 17025 and accreditation bodies should operate in accordance with ISO/IEC 17011.
- 9.7 The Authority will recognize accreditation granted by the HOKLAS and by overseas accreditation bodies which have concluded mutual recognition arrangements with HKAS for accreditation of testing laboratories. The Authority will consider accreditation by other bodies on a case-by-case basis.

Energy Efficiency Verification Service

- 9.8 An increasing number of countries now accept, as proof of product conformance, energy efficiency verification services provided by third-party organisation that has been accredited as a certification organisation. In accordance with this trend, the Authority will consider seriously test results that have been evaluated and verified against the energy efficiency standards by reputable third-party certification organisations.

HKAS has concluded mutual recognition arrangements with overseas accreditation bodies for testing laboratory accreditation. The list of mutual recognition arrangement partners may change from time to time and the up-to-date list is available from the HKAS website of www.info.gov.hk/itc/hkas. Partners to these arrangements recognise the accreditations granted by one another as equivalent.

10. Registration and Participation

Registration Procedures

- 10.1 All manufacturers, importers and the other parties involved in the appliance distribution network are welcomed and encouraged to participate in the scheme. For some known manufacturers and importers, invitation letters will be issued to them. However, any

party may submit their applications for registration no matter whether they are invited or not.

10.2 The proforma letter of invitation is shown in Annex 2.

10.3 Applicant should submit his formal application to

Chief Engineer /Energy Efficiency A
Energy Efficiency Office
Electrical & Mechanical Services Department
3 Kai Shing Street, Kowloon
Hong Kong

by means of an application letter through mail, facsimile or electronic mail. In order to ensure effective implementation of the scheme, the applicant must commit himself to fully comply with the duties, responsibilities and obligations set out in this scheme. The proforma letter of application as shown in Annex 3 details the aforesaid obligations and should be used for application. To facilitate the application process, the application form can be downloaded from EMSD website.

Information/Documents to be Submitted for Registration

10.4 Each make and model of an appliance participating in the scheme should be provided with a test report issued by a recognized laboratory. The test report should contain energy efficiency test and performance test results. Details of the technical information to be submitted together with the application are listed as follows:

- (a) Information on the company:
Name, Address, Telephone number, Fax, E-mail address, Contact person, Importer, Distributor, etc.
- (b) Products to apply for participating in the scheme:
Names of products, types, makes, models, countries of origin
- (c) Parties that will be responsible for making and fixing the Energy Labels
- (d) Commencement date to affix energy labels on appliance packaging
Year _____, Month _____

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- (e) Certificates of Safety Compliance prescribed by the Electrical Products (Safety) Regulation of the HKSAR;
- (f) Detailed reports for the following tests:
- lamp lumen output measurement;
 - lamp input power measurement;
 - lamp lumen maintenance; **and**
 - lamp average life.
- (g) Technical Data:
- lamp luminous efficacy;
 - lamp lumen maintenance;
 - rated average lamp life; and
 - others.

Notes: Company's name and chop should be stamped on all the documents provided.

The above information can also be found in Annex 4, information to be submitted to Energy Efficiency Office.

Acceptance of Registration

- 10.5 On receipt of the application, the Authority will process the application and verify whether the appliance meets the energy efficiency and performance requirements based on the submitted data. The accuracy of the submitted data, their inconsistencies and non-compliance will be dealt with in accordance with Section 12.
- 10.6 If the application is accepted, the participants will be notified of the result in writing within 17 working days. The participants will then be allowed to affix the energy label onto the 'registered' appliances packaging. Both manufacturers and importers of the registered appliances should ensure that the energy labels are correctly printed and affixed on the appliances packaging in accordance with Section 8. The performa letter of acceptance is shown in Annex 5.
- 10.7 If the application is rejected, the notification letter as shown in Annex 6 will also be given within 17 working days upon receipt of all necessary information requested.

10.8 The flow chart for registration is shown in Annex 7.

Participant's Duties, Responsibilities and Obligations

10.9 The participant is obliged to:

- (a) submit application and information including test results in accordance with format and procedures set out in Section 10.3 & 10.4;
- (b) conduct tests via recognized laboratories and to comply with the specified test methodology and classification scheme;
- (c) produce and affix energy labels at his own costs;
- (d) fully inform other sales agents in his distribution network once the particular make and model of an appliance is registered;
- (e) allow random/ad-hoc inspection to be conducted by persons authorized by the Authority on registered appliance at his premises;
- (f) conduct re-test(s) at his own costs at some recognized laboratories, if non-compliance is found on the appliance. The result of re-test(s) shall reach the Authority within the prescribed period of time specified by the Authority; normally three months;
- (g) inform the Authority of any change in the technical information and data that were previously submitted to the Authority together with the application letter;
- (h) accept the fact that if appliance fails to perform in accordance with the requirements as given in Sections 5, 6 and 7 and this cannot be readily rectified, the Authority may order it be de-registered from the scheme; and
- (i) remove within three months all energy labels from appliances which had been de-registered from the scheme.

10.10 The details of the registered appliances will be kept in a register maintained by the Authority. The registration records will be regularly uploaded and maintained in the EMSD Internet for public and interested parties for access and information.

Termination

10.11 Under circumstances of poor performance such as:

- (a) (repeated) failure to fulfill obligations set out under Section 10.9; or
- (b) in any other case where the Director is of the opinion that registration of an appliance is contrary to the public interest.

The Authority may de-register an appliance from the scheme with immediate effect by giving the participant notice in writing. Once an appliance is de-registered, no one is allowed to fix an energy label on it. However, participant will normally be given a grace period of three months to remove all labels from the de-registered appliances.

De-registration may occur even when there is no legal action taken under either the Trade Description Ordinance (Cap. 362) or the Copyright Ordinance.

- 10.12 Participant who decides to discontinue participating in the scheme or to withdraw any registered model from the registered appliances list shall give at least three months' advance notice to the Authority.

11. Legal Provisions

- 11.1 This is a voluntary scheme. However, a participant who abuses the scheme by giving false information may contravene provisions of the Trade Description Ordinance (Cap. 362).
- 11.2 No one could take advantage of the scheme by using the label on his appliances without authorization of the Authority as that may constitute an infringement of copyright under the Copyright Ordinance.

12. Compliance Monitoring and Inspection

Purpose

- 12.1 To uphold credibility of the scheme and to maintain continuous confidence of the consumers, compliance check on energy labels on those appliances participating in the scheme are needed. Also, to avoid the unsatisfactory situation that the non-participating parties taking advantage of the scheme by using unauthorized labels, suitable form of inspection on those unregistered appliances will also be required.

Scope

- 12.2 The scope of inspection includes sample checking and testing the following items:
- (a) whether energy label is in fact placed on the registered appliance packaging;
 - (b) whether energy label on the registered appliance packaging is in a prominent position;
 - (c) whether energy label being displayed is of correct format in accordance with Section 8;
 - (d) whether unregistered appliances display unauthorized energy labels;
 - (e) whether the registered appliance complies with the energy efficiency and performance requirements; and

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- (f) whether the data submitted by the participants are correct by random re-testing.
- 12.3 The participants will be requested to take immediate remedial action and report the follow-up action taken if non-compliance is found on their appliances.
- 12.4 If a registered appliance carrying energy label but found not meeting the requirements specified in accordance with the test standards stipulated in Section 7, the participant will also be requested to repeat the performance tests by an agreed testing laboratory.
- 12.5 If non-compliance is confirmed and no remedial action is to be taken by the applicant, the Authority may order it be de-registered from the scheme. Failure to remove energy labels from the de-registered appliances after the Director has withheld his authorization for using such labels may contravene the relevant ordinances.

Inspecting Officers

- 12.6 The Authority will authorize inspecting officers to carry out appliances compliance monitoring and inspection. The officers will carry proper identification cards that will be produced on request during their inspection operations. However, the officer will not inform the participants in advance of their intended inspection operation.
- 12.7 It is the participants' duty to allow the inspecting officers to gain access to their premises to carry out inspection.

Mode of Inspection

- 12.8 Inspections will be carried out on registered appliances under the scheme on random basis. Based on the record of the registration, random inspection programmes will be developed.
- 12.9 In addition to the random inspections, the inspecting officers will carry out ad-hoc inspections in response to complaints. The items to be inspected in such a case will depend upon the nature of complaint and may include all types of inspection as stated in Section 12.2.
- 12.10 Inspections will normally be carried out at the retail outlets and appliances showrooms. Where necessary, inspection will also be done at warehouses.

12.11 The inspection results will be properly recorded for future analysis as well as on evaluation of the effectiveness of the scheme.

13. Complaints and Appeal

13.1 The Authority will be responsible for dealing with complaints from participant and other parties against matters related to the scheme.

Complaints Handling Procedure

13.2 The Director shall ensure that complaints are properly recorded and handled without undue delay.

13.3 The Authority shall carry out preliminary investigation on complaints and reply to the complainants within a reasonable time. For complaints that require site inspection and laboratory test, the complainant shall be notified through an interim reply.

13.4 The Authority shall inform the complainant of the results or decisions made on the complaint.

Appeal Procedure

13.5 A participant who is aggrieved by a decision or action taken by the Authority may appeal to the director in writing stating the reason for the appeal.

13.6 The Director may decide to suspend the decision or action given by the Authority from the day on which the appeal is made until such appeal is disposed of, withdrawn or abandoned unless such suspension would, in the opinion of the Director, be contrary to public interest.

13.7 The Director may by notice to the appellant require that appellant to attend meeting with him or his representative and provide documents and give evidence relevant to the appeal.

13.8 The Director shall notify the appellant of his decision and reasons for it. The decision will be final and binding.

14. Maintenance of Scheme

14.1 To ensure that the scheme can continue to operate effectively and efficiently after its introduction, a proper system of maintenance is needed.

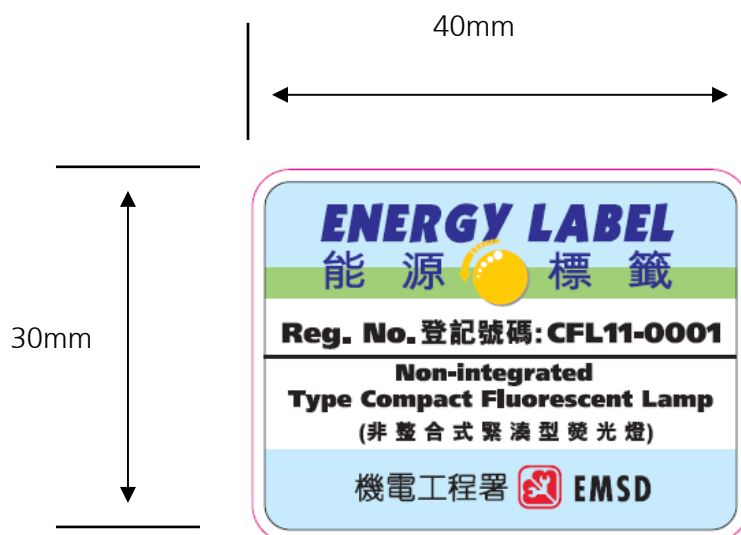
14.2 The maintenance system consists essentially of:

- (a) Continuous updating of the lists of participants in the scheme as follows:
 - i) Registered appliances with details such as registration number, date of registration or de-registration if it occurs, energy efficiency data, performance data, make, model and other related information ; **and**
 - ii) Registered importers, manufacturers, local agents etc. in the distribution network with details such as address, date of registration or de-registration if it occurs, etc.
- (b) Periodic review of the test methodology, and procedures for application registration and compliance monitoring, etc. to bring them in line with the latest needs of the manufacturers, importers and retailers, etc
- (c) Continuous evaluation of the effectiveness of the scheme and assessment of what changes are necessary.

15. Future Development

- 15.1 It is hoped that following implementation of the scheme, the market will phase out models of low efficiency and public awareness of using energy efficient products will be improved.

Energy Label Format
(Revised on 1 April 2011)



(Not to Scale)

Soft copies of these labels can be obtained from Energy Efficiency Office, Electrical and Mechanical Services Department.

Proforma Letter of Invitation

Our ref. EEO/LB/07

Your ref.

Tel.

Fax.

Date

[Name and Address of
Manufacturers/Importers/Agents]

Dear Sir/Madam,

Invitation of Application for Registration to Participate in Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps

Having gone through the necessary consultations and duly considered the views from various concerned parties, the government has decided to introduce a voluntary energy efficiency labelling scheme for non-integrated type compact fluorescent lamps to Hong Kong with effect from (_____). The details of the scheme ❶ have been finalized and I enclose herewith a guide of the scheme for your reference.

Being one of the major non-integrated type compact fluorescent lamps manufacturers / importers / agents ❷ in Hong Kong, you are invited to participate in the scheme so as to take part in promoting public awareness in energy conservation and environmental improvement to Hong Kong. If you are interested to participate in the scheme, please apply in accordance with the proforma letter of application (Annex 3) and submit details including technical information in accordance with the attached Annex 4 to the 'Chief Engineer / Energy Efficiency A' at the following address.

Energy Efficiency Office
Electrical and Mechanical Services Department
3 Kai Shing Street, Kowloon
Hong Kong

Please be reminded to submit accurate test data to support your application. Under this Scheme, routine compliance monitoring and checking will be performed and if a registered non-integrated type compact fluorescent lamps is found to be non-compliant, we may consider deregistering the non-integrated type compact fluorescent lamps from the Scheme.

Should you need further clarification or information, you are most welcome to contact the undersigned or Mr. _____, at the telephone number _____.

Yours faithfully,

for Director of Electrical & Mechanical Services

(Note : ❶ 'scheme' means 'The Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps'

② *delete as appropriate)*

Proforma Letter of Application

Your ref. EEO/LB/07
Our ref.

Tel.
Fax

Date

Chief Engineer/Energy Efficiency A
Electrical & Mechanical Services Department
3 Kai Shing Street, Kowloon
Hong Kong

Dear Sir/Madam,

Application for Registration to Participate in Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps

Our company is the (manufacturer/importer/agent*) of _____ in Hong Kong. We support the introduction the labelling scheme to Hong Kong and would like to be one of the participants in the scheme to promote energy efficiency.

I understand fully the obligations and duties stated in the scheme and will comply with all relevant requirements, in particular those specified below:

- i) conduct tests via recognized laboratories and to comply with the specified test standards;
- ii) produce and affix specified labels at my own costs;
- iii) allow random/ad-hoc inspection to be conducted by persons authorized by the issuing Authority on registered appliance at my premises;
- iv) conduct re-test(s) at my own costs at some recognized laboratories, if the results of inspection suggest inaccurate energy label information being displayed. The result of re-test(s) shall reach the Authority within the prescribed period of time specified by the Authority;
- v) inform the Authority of any change in the technical information and data that were previously submitted to the Authority together with the application letter; and
- vi) accept the fact that if appliance fails to perform in accordance with the required energy efficiency standards and performance as given in Section 6 and this cannot be readily rectified, the Authority may order it be de-registered from the scheme.

The details of information of those appliances which we intend to register with the Authority are shown in the attached document, (Annex 4) and are submitted herewith for your vetting.

Yours faithfully,

(Manufacturer/Importer/Agent 's Name and Company Chop)

* *delete as appropriate*

Information to be Submitted to Energy Efficiency Office

1. Information on the company:
Name, Address, Telephone number, Fax, E-mail, Contact person, Importer, Distributor, etc.
2. Product to apply for participating in the scheme:
Name of products, types, make, model references, countries of origin
3. Parties will be responsible for making and fixing the Energy Label
4. Commencement date to affix Energy Labels on appliance packaging
Year _____, Month _____
5. Detailed Reports for the following tests:
 - (a) lamp lumen output measurement;
 - (b) lamp input power measurement;
 - (c) lamp lumen maintenance; and
 - (d) lamp average life.
6. Technical Data:
 - (a) lamp luminous efficacy;
 - (b) lamp lumen maintenance;
 - (c) rated average lamp life; and
 - (d) others.
7. Documentary proof that the applied appliance(s) comply with the Electrical Products (Safety) Regulation of the Hong Kong Special Administrative Region.

*Note: Company's name and chop should be stamped on the all documents provided.
All test reports submitted to the office should be certified true copy by appropriate organization.*

Proforma Letter of Acceptance

Your ref.
Our ref. EEO/LB/07

Tel:
Fax:

Date

[
Manufacturers/Importers/Agents

]

Dear Sir/Madam,

Acceptance of Application for Registration to Participate in Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps

With reference to your letter of ref. _____ dated _____, I am pleased to inform you that your application to participate in the captioned scheme has been accepted.

I enclose herewith the registration certificates of non-integrated type compact fluorescent lamps registered. The registered Non-integrated Type Compact Fluorescent Lamps are as follows :

<u>Brand/Make/Model</u>	<u>Registration No.</u>	<u>Effective date</u>
(_____)	(_____)	(_____)

You are allowed to affix a specified energy label onto each and every appliance packaging registered under the scheme. The contents of the energy label should be based on the information that you have provided in your application ref. _____ and dated _____.

Should you have any queries regarding the scheme, please contact this office.

Yours faithfully,

for Director of Electrical & Mechanical Services

Proforma letter of Rejection

Our ref. EEO/LB/07
Your ref.

Tel.
Fax.

Date

[
Manufacturers/Importers/Agents

]

Dear Sir/Madam,

Rejection of Application for Registration to Participate in Voluntary Energy Efficiency Labelling Scheme for Non-integrated Type Compact Fluorescent Lamps

With reference to your letter of application ref. _____ dated _____, I regret to inform you that your application for registration to participate in the scheme has not been accepted for the following reasons:-

1. _____ etc.

You are most welcome to submit new application again in future, when you have the necessary documents / information to support your application.

Yours faithfully,

for Director of Electrical & Mechanical Services

Flow Chart for Registration

