

Requirements on Minimum Energy Performance Standard, Energy Efficiency Indication, and Inspection for Compact Fluorescent Lamps (Amendment Draft)

**Subject: Amendment to the Requirements on Minimum Energy Performance Standard, Energy Efficiency Indication, and Inspection of Compact Fluorescent Lamps**

**Legal Basis:** Paragraph 4, Article 14 of the Energy Administration Act

**Announcement: :**

1. The Compact Fluorescent Lamps stated in this Announcement refer to those meeting the definition of compact fluorescent lamps in CNS 14576 and promulgated by the Bureau of Standards, Metrology and Inspection (BSMI) of the Ministry of Economic Affairs (MOEA) as products requiring inspections. However, this Announcement and the Requirements do not apply to colored compact fluorescent lamps used for plant growing, insect trapping, and sanitizer or in semiconductor field.

2. The testing of Compact Fluorescent Lamps and the calculation thereof shall comply with the following requirements:

The luminous efficacy of Compact Fluorescent Lamps shall be tested in accordance with CNS 14576. The measured value shall be rounded off to the first decimal place. The rated and measured value shall not be lower than the value specified in Table 1. The measured value shall be greater than or equal to 95% of the rated value of products.

3. The rated luminous efficacy shall be marked on each individual unit or the smallest packages of Compact Fluorescent Lamps.

4. The Central Competent Authority may conduct annual product sampling in accordance with the Guidelines for Energy Efficiency Labeling Inspection and Energy Efficiency Sampling of Designated Energy Using Equipment and Devices while conducting the energy efficiency inspection. The model and the quantity of the testing samples shall be designated by the Central Competent Authority, and the manufacturers shall deliver product samples to the designated testing laboratories within the period designated by the Central Competent Authority.

For products fail to meet the requirements in Item 2 in the testing of the preceding paragraph, the Central Competent Authority shall request the related manufacturers to re-submit the samples for re-testing. The quantity of the re-tested samples shall be twice the sampling quantity of the products of the same model under the preceding paragraph. All the incurred costs associated with the re-testing shall be borne by the manufacturers.

If manufacturer fails to conduct the sampling or the re-testing per the preceding two paragraphs, or fails to meet the energy efficiency requirements completely in the re-testing, Articles 21 and 24 of the Energy Administration Act shall apply.

Table 1 MEPS for Compact Fluorescent Lamps

Classification	Rated power input (W)	Type	Luminous efficacy (lm/W)	
			5700~7100K	2600~3150K
Double tube(Type P、PX)	Lower than 6	Regular、Slim	50	52
	6-7	Regular、Slim	55	58
Double tube (Type P、PX) Four tube (Type D、DX、M、W) Six tube (Type T、TX)	10	Regular、Slim	61	64
	9、13	Regular	61	64
		Slim	69	73
	11	Regular、Slim	79	85
	14-26	Regular	62	66
		Slim	68	73
Double tube (Type P、PX)	27	Regular、Slim	69	73
Four tube (Type D、DX、M、W)	27	Regular、Slim	59	63
Double tube (Type P、PX) Four tube (Type D、DX、M、W) Six tube (Type T、TX)	28-30	Regular、Slim	72	76
Double tube (Type P、PX)	Greater than 30	Regular、Slim	79	85
Four tube (Type D、DX、M、W) Six tube (Type T、TX)	Greater than 30	Regular、Slim	73	77

Notes

1. The color of Compact Fluorescent Lamps shall comply with CNS 10839: Daylight color: 5700~7100K, light bulb color: 2600~3150K
2. MEPS for products with color temperature falls between 3200~5400K are the same standards as products with CCT 2600-3150K.
3. For products without the rated power input specified in Table 1, MEPS of the nearest classification group shall apply.
4. If a corresponding ballast is not specified in CNS 14576 Table 3 when testing the luminous efficacy, such products may be tested with other suitable ballasts.