

Revision to Enforcement order, Revision to enforcement regulation, and Establishment of
Notification of the Ministry of Economy, Trade and Industry (METI) for the Act on the Rational
Use of Energy

May, 2017
Energy Efficiency Division
Agency for Natural Resources and Energy
Ministry of Economy, Trade and Industry

1. Outline of the system

Under Article 78 of the Act on the Rational Use of Energy (Law No. 49, 1979; hereinafter referred to as “Energy Efficiency Law”), the Minister of Economy, Trade and Industry shall decide and make public the standards of judgment for manufacturer or importer (hereinafter referred to as “manufacturer, etc.”) in regard to improvement of energy efficiency performance with respect to each specified energy consumption equipment which is specified in the Act (hereinafter referred to as “energy efficiency standards”). Additionally, the energy efficiency standards shall be established taking into consideration of the energy efficiency of the specified energy consumption equipment which has the highest energy efficiency and other related factors. (It is called the “Top Runner Program”). The scope of the specified energy consumption equipment is defined in Article 15 of the Enforcement Ordinance for the Energy Efficiency Law and exceptions are defined in Article 48 of the Enforcement Regulations for the Energy Efficiency Law. The Energy Efficiency standards are stipulated by the “Notifications of the Ministry of Economy, Trade and Industry”.

Furthermore, under Article 80 of Energy Efficiency Law, the Minister of Economy, Trade and Industry shall decide and notify the matters to be indicated in labels and the matters to be observed by manufacturer, etc. with regard to energy efficiency of the specified energy consumption equipment.

2. Outline of amendment

New energy efficiency standards are established for light bulbs and lighting equipment.

(1) Target scope

Light bulbs: Incandescent bulb, high-pressure mercury lamp which has built-in stabilizers, self-ballasted fluorescent lamp and self-ballasted LED lamp;
Lighting equipment: Lighting equipment for incandescent lamp, for fluorescent lamp and for LED lamp.

(2) Target fiscal year

Target fiscal year shall be FY2027 for light bulbs, and FY2020 for lighting equipment.

(3) Measuring method of energy consumption efficiency

- a) In the case of light bulbs and lighting equipment in general, the value of energy consumption efficiency shall be obtained by dividing luminous flux by power consumption, which is measured by method defined in JIS.
- b) In the case of lighting equipment for incandescent lamp and for fluorescent lamp the value of energy consumption efficiency shall be obtained by multiplying the instrument efficiency by the value calculated in 2. (3) a).

(4) Standard method

In regard to light bulbs or lighting equipment which manufacturer, etc. would ship for

Japanese market in each fiscal year since target fiscal year, weighted average value of calculated energy consumption efficiency by the volume of shipments of each manufacturer, etc. shall not fall below the target standard value in each specified division.

(5) Labelling requirement

Manufacturer, etc. shall indicate energy consumption efficiency and illuminant color, etc. of these products.

3. Objective

To improve energy efficiency performance with respect to light bulbs and lighting equipment through promoting prevalence of high energy efficiency lighting.

4. Proposed date of entry into force

Around summer of 2017