THE BUREAU OF ENERGY EFFICIENCY

NOTIFICATION

New Delhi, the 6th July, 2009

No. 2/11(5)/03-BEE.-1.—Whereas the draft regulations namely, the Bureau of Energy Efficiency (Particulars and Manner of their Display on Labels of Tubular Fluorescent Lamps) Regulations, 2009, were published *vide* notification number 2/11(5)/03-BEE.-1, dated 12th January,2009, in the Gazette of India, Extraordinary, Part III, Section 4, dated the 12th January, 2009, as required under sub-section (1) of section 58 of the Energy Conservation Act, 2001 (52 of 2001), inviting objections or suggestions from persons likely to be affected thereby within the specified period of forty-five days from the date of publication of the said notification in the Official Gazette;

And whereas copies of the said draft regulations were made available to the public on the 12th January, 2009;

And whereas no suggestion or objection has been received with respect to the said draft regulations within the specified period aforesaid;

Now, therefore, in exercise of the powers conferred by clause (i) of sub-section (2) of section 58 read with clause (d) of section 14 of the said Act, the Bureau, with the previous approval of the Central Government, hereby makes the following regulations, namely:-

1. Short title and commencement. - (1) These regulations may be called the Bureau of Energy Efficiency (Particulars and Manner of their Display on Labels of Tubular Fluorescent Lamps) Regulations, 2009.

(2) They shall come into force on the date of their publication in the Official Gazette.

2. Definition. – (1) In these regulations, unless the context otherwise requires,-

(a) "Act" means the Energy Conservation Act, 2001;

(b) "label" means any written, printed, marked, stamped or graphic matter affixed to, or appearing upon, the tubular fluorescent lamp;

(c) "models" mean the range of models of one particular brand to which a single set of test reports is applicable and where each of the models has the same physical characteristics, comparative energy consumption, energy efficiency rating and performance characteristics and includes family of models;

(d) "star rating or star level" means the level of energy efficiency displayed on the label of the tubular fluorescent lamp on the basis of light output in lumens per watt of energy consumption;

(e) "tubular fluorescent lamp" means the tubular fluorescent lamp of 1200 millimetres in size consuming energy up to forty watts covering colour temperature of 6500 Kelvin for halo-phosphate category and 2700 Kelvin,4000 Kelvin and 6500 Kelvin for tri-phosphate categories.

(2) Words and expressions used herein and not defined, but defined in the Act, shall have the meanings respectively assigned to them in the Act.

3. Particulars to be displayed on the label.- (1) On every tubular fluorescent lamp the following particulars shall be displayed on its label, namely:-

(a) the logo of the Bureau of Energy Efficiency;
(b) size of tubular fluorescent lamp and colour temperature;
(c) trade name and number;
(d) model and year of manufacturing or import;
(e) name of manufacturer/importer and brand;
(f) authority number;
(g) power consumption in watts ;
(h) star level of the tubular fluorescent lamp.

(2) The design, colour, size and content of label shall be as specified in Schedule annexed to these regulations.

4. Time limit for display of labels.- A label containing particulars specified in regulation 3 shall be displayed on every tubular fluorescent lamp within a period of six months from the date of coming into force of these regulations.

5. Manner of display of label.- (1)On every tubular fluorescent lamp, the label shall be stamped as follows, namely:-

(i) the label with colour programme after photographic reduction to 16 millimetre height shall be printed on the sleeve;

(ii) all the manufacturers and importers would mark the colour temperature on the sleeve;

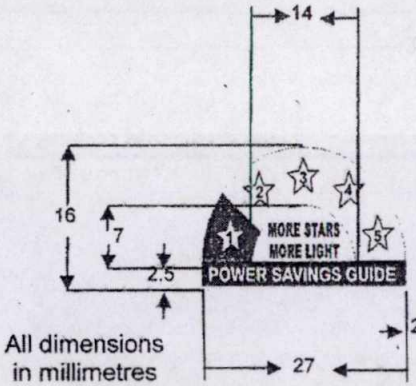
(iii) the star marking as per the rating is required to be stamped on the tubular fluorescent lamp where the size of the stamp for the star marking shall be 14.5 millimetre height by 8.5 millimetre width and the same shall be stamped in a separate column.

Schedule
[See regulation 3(2)]

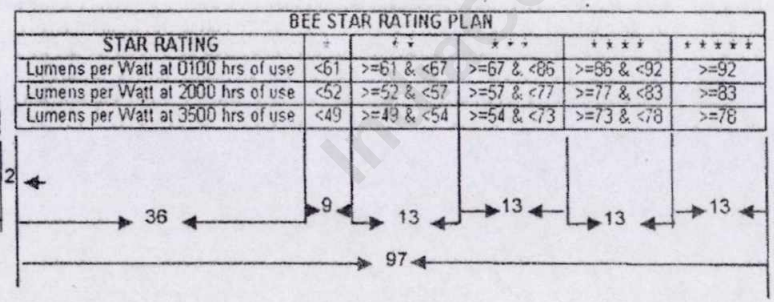
Details of particulars to be displayed on label of Tubular Fluorescent Lamp

(a) Label design, size, colour scheme and content of the label shall include -

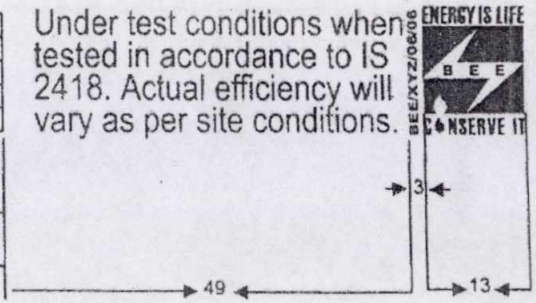
(i) the following dimensional design of label ,namely:-

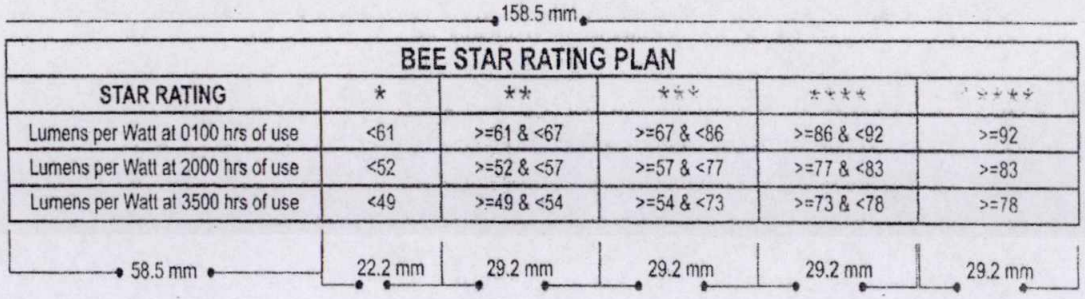


BEE STAR RATING PLAN					
STAR RATING	*	**	***	****	*****
Lumens per Watt at 0100 hrs of use	<61	>=61 & <67	>=67 & <86	>=86 & <92	>=92
Lumens per Watt at 2000 hrs of use	<52	>=52 & <57	>=57 & <77	>=77 & <83	>=83
Lumens per Watt at 3500 hrs of use	<49	>=49 & <54	>=54 & <73	>=73 & <78	>=78

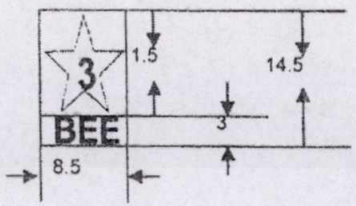


Under test conditions when tested in accordance to IS 2418. Actual efficiency will vary as per site conditions.





BEE STAR RATING PLAN					
STAR RATING	*	**	***	****	*****
Lumens per Watt at 0100 hrs of use	<61	>=61 & <67	>=67 & <86	>=86 & <92	>=92
Lumens per Watt at 2000 hrs of use	<52	>=52 & <57	>=57 & <77	>=77 & <83	>=83
Lumens per Watt at 3500 hrs of use	<49	>=49 & <54	>=54 & <73	>=73 & <78	>=78



(ii) the following colour scheme for the label, namely :-

NAVY BLUE – Hue – 240° Saturation 100% Brightness 40% (Red – 0, Green – 0, Blue – 102)
GREEN – Hue – 150° Saturation 100% Brightness 65% (Red – 0, Green – 165, Blue – 83)
*Note: Bottom of BEE logo and star filler in **GREEN** colour only. All fonts and top of BEE logo in **NAVY BLUE***

(iii) the following colour scheme for Bureau's logo, namely:-

BLUE –
Hue(H)-239° Saturation(S):64% Brightness(B):59%
Luminance or lightness(L) :28, chromatic components -a:24 b:54
Red(R):54 Green(G):55 Blue(B):151
Cyan(C):97% Magenta(M):95% Yellow(Y):6% Black(K):1%
Web colour code - #363797
GREEN –
Hue(H)-150° Saturation(S):10% Brightness(B):67%
Luminance or lightness(L) :61, chromatic components -a:-53 b:32
Red(R):0 Green(G):170 Blue(B):87
Cyan(C):81% Magenta(M):10% Yellow(Y):90% Black(K):1%
Web colour code - #00AA56;

(iv) the following complete specimen of a printed label for room tubular fluorescent lamp on the casing when not on display, namely:-



BEE STAR RATING PLAN					
STAR RATING	★	★★	★★★	★★★★	★★★★★
Lumens per Watt at 0100 hrs of use	<61	>=61 & <67	>=67 & <86	>=86 & <92	>=92
Lumens per Watt at 2000 hrs of use	<52	>=52 & <57	>=57 & <77	>=77 & <83	>=83
Lumens per Watt at 3500 hrs of use	<49	>=49 & <54	>=54 & <73	>=73 & <78	>=78

Under test conditions when tested in accordance to IS 2418. Actual efficiency will vary as per site conditions.



IndiaCode

(b) The following complete specimen of star marking label for tubular fluorescent lamp stamped on the sleeve, namely:-



IndiaCode

AJAY MATHUR, Director General

[ADVT-III/4/185/09/Exty.]