

AMENDMENT NO. _____ Calendar No. _____

Purpose: To establish standards for fluorescent lamp ballasts.

IN THE SENATE OF THE UNITED STATES—109th Cong., 1st Sess.

S. _____

To enhance the energy security of the United States, and
for other purposes.

Referred to the Committee on _____
and ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENTS intended to be proposed by
_____ to Title I—Energy Efficiency
(FLO05476.LC)

Viz:

1 On page 45, between lines 24 and 25, insert the fol-
2 lowing:

3 (1) in paragraph (29)—

4 (A) in subparagraph (D), by striking
5 “C78.1–1978(R1984)” each place it appears
6 and inserting “C78.81–2003 (Data Sheet
7 7881–ANSI–1010–1)”; and

8 (B) by adding at the end the following:

1 “(M) The term ‘F34T12 lamp’ (also known as
2 a ‘F40T12/ES lamp’) means a nominal 34 watt tu-
3 bular fluorescent lamp that is 48 inches in length
4 and 1½ inches in diameter, and conforms to ANSI
5 standard C78.81–2003 (Data Sheet 7881–ANSI–
6 1006–1).

7 “(N) The term ‘F96T12/ES lamp’ means a
8 nominal 60 watt tubular fluorescent lamp that is 96
9 inches in length and 1½ inches in diameter, and
10 conforms to ANSI standard C78.81–2003 (Data
11 Sheet 7881–ANSI–3006–1).

12 “(O) The term ‘F96T12HO/ES lamp’ means a
13 nominal 95 watt tubular fluorescent lamp that is 96
14 inches in length and 1½ inches in diameter, and
15 conforms to ANSI standard C78.81–2003 (Data
16 Sheet 7881–ANSI–1017–1).

17 “(P) The term ‘replacement ballast’ means a
18 ballast that—

19 “(i) is designed for use to replace an exist-
20 ing ballast in a previously installed luminaire;

21 “(ii) is marked ‘FOR REPLACEMENT
22 USE ONLY’;

23 “(iii) is shipped by the manufacturer in
24 packages containing not more than 10 ballasts;
25 and

1 “(iv) has output leads that when fully ex-
2 tended are a total length that is less than the
3 length of the lamp with which the ballast is in-
4 tended to be operated.”;

5 On page 45, line 25, strike “(1)” and insert “(2)”.

6 On page 46, line 21, strike “(2)” and insert “(3)”.

7 On page 56, between lines 10 and 11, insert the fol-
8 lowing:

9 (2) in subsection (g)—

10 (A) in paragraph (6)(B), by inserting “and
11 labeled” after “designed”; and

12 (B) by adding at the end the following:

13 “(8)(A) Each fluorescent lamp ballast (other than re-
14 placement ballasts or ballasts described in subparagraph
15 (C))—

16 “(i)(I) manufactured on or after July 1, 2009;

17 “(II) sold by the manufacturer on or after Oc-
18 tober 1, 2009; or

19 “(III) incorporated into a luminaire by a lumi-
20 naire manufacturer on or after July 1, 2010; and

21 “(ii) designed—

1 “(I) to operate at nominal input voltages of 120
2 or 277 volts;

3 “(II) to operate with an input current fre-
4 quency of 60 Hertz; and

5 “(III) for use in connection with F34T12
6 lamps, F96T12/ES lamps, or F96T12HO/ES lamps;
7 shall have a power factor of 0.90 or greater and shall have
8 a ballast efficacy factor of not less than the following:

Application for operation of	Ballast input voltage	Total nominal lamp watts	Ballast efficacy factor
One F34T12 lamp	120/277	34	2.61
Two F34T12 lamps	120/277	68	1.35
Two F96 T12/ES lamps	120/277	120	0.77
Two F96 T12HO/ES lamps	120/277	190	0.42

9 “(B) The standards described in subparagraph (A)
10 shall apply to all ballasts covered by subparagraph (A)(ii)
11 that are manufactured on or after July 1, 2010, or sold
12 by the manufacturer on or after October 1, 2010.

13 “(C) The standards described in subparagraphs (A)
14 and (B) do not apply to—

15 “(i) a ballast that is designed for dimming to
16 50 percent or less of the maximum output of the
17 ballast;

18 “(ii) a ballast that is designed for use with 2
19 F96T12HO lamps at ambient temperatures of 20°F
20 or less and for use in an outdoor sign; or

1 “(iii) a ballast that has a power factor of less
2 than 0.90 and is designed and labeled for use only
3 in residential applications.”;

4 On page 56, line 11, strike “(2)” and insert “(3)”.

5 On page 56, line 17, strike “(3)” and insert “(4)”.

6 On page 56, line 20, strike “(4)” and insert “(5)”.