

2022 -- S 2866

LC005748

STATE OF RHODE ISLAND

IN GENERAL ASSEMBLY

JANUARY SESSION, A.D. 2022

A N A C T

RELATING TO HEALTH AND SAFETY -- MERCURY REDUCTION AND EDUCATION
ACT

Introduced By: Senators Ruggerio, McCaffrey, Goodwin, Gallo, Miller, Felag, Euer,
Sosnowski, Kallman, and DiMario

Date Introduced: April 07, 2022

Referred To: Senate Environment & Agriculture

It is enacted by the General Assembly as follows:

1 SECTION 1. Chapter 23-24.9 of the General Laws entitled "Mercury Reduction and
2 Education Act" is hereby amended by adding thereto the following section:

3 **23-24.9-6.1. Prohibition on fluorescent lamps.**

4 (a) The following words in this section shall have the following meaning:

5 (1) "Compact fluorescent lamp" means a compact low-pressure, mercury-containing,
6 electric-discharge light source in which a fluorescing transforms some of the ultraviolet energy
7 generated by the mercury discharge into visible light, and includes all of the following
8 characteristics:

9 (i) One base or endcap of any type, including screw, bayonet, two (2) pins, and four (4)
10 pins;

11 (ii) Integrally ballasted or nonintegrally ballasted;

12 (iii) Light emission between a correlated color temperature of 1700K and 24000K and a
13 Duv of +0.024 and -0.024 in the International Commission on Illumination (CIE) Uniform Color
14 Space (CAM02-UCS);

15 (iv) All tube diameters and all tube lengths; and

16 (v) All lamp sizes and shapes for directional and nondirectional installations (including PL,
17 spiral, twin tube, triple twin, 2D, U-bend, and circular).

18 (2) "Linear fluorescent lamp" means a low-pressure, mercury containing, electric-

1 discharge light source in which a fluorescing coating transforms some of the ultraviolet energy
2 generated by the mercury discharge into visible light, and includes all of the following
3 characteristics:

4 (i) Two (2) bases or endcaps of any type, including single-pin, two (2) pin, or recessed
5 double contact;

6 (ii) Light emission between a correlated color temperature of 1700K and 24000K and a
7 Duv of +0.024 and -0.024 in the International Commission on Illumination (CIE) Uniform Color
8 Space (CAM02-UCS);

9 (iii) All tube diameters, including T2, T5, T8, T10, and T12;

10 (iv) All tube lengths from 0.5 to 8.0 feet inclusive; and

11 (v) All lamp shapes, including linear, U-bend, and circular.

12 (b) Beginning on January 1, 2024, no compact fluorescent lamp or linear fluorescent lamp
13 may be offered for final sale, sold at final sale, or distributed in the state as a new manufactured
14 product.

15 (c) The prohibition in subsection (b) of this section shall not apply to the following compact
16 fluorescent lamps and linear fluorescent lamps:

17 (1) Lamps used for image capture and projection, including photocopying, printing directly
18 or in pre-processing, lithography, film and video projection, and holography;

19 (2) Lamps that have high proportions of ultraviolet light emission, including only the
20 following:

21 (i) Lamps with high ultraviolet content that have ultraviolet power >2 milliwatts per
22 kilolumen (mW/klm);

23 (ii) Lamps for germicidal use or destruction of DNA that emit a peak radiation of
24 approximately 253.7 nanometers;

25 (iii) Lamps used for disinfection or fly trapping where the radiation power emitted is
26 between 250-315 nanometers represents ≥ 5 % or is between 315-400 nanometers represents ≥ 20
27 % of the total radiation power emitted is between 250-800 nanometers;

28 (iv) Lamps used for the generation of ozone where the primary purpose is to emit radiation
29 at approximately 185.1 nanometers;

30 (v) Lamps used for coral zooxanthellae symbioses where the radiation power emitted
31 between 400-480 nanometers represents ≥ 40 % of total radiation power emitted is between 250-
32 800 nanometers; and

33 (vi) Lamps used for sun-tanning beds where the radiation power emitted is between 250-
34 400 nanometers represents ≥ 80 % of the total radiation power emitted is between 250-800

1 [nanometers.](#)

2 [\(d\) Notwithstanding the prohibition on the sale of compact fluorescent lamps or linear](#)
3 [fluorescent lamps under this section, a manufacturer of a mercury-containing lamp remains](#)
4 [required to implement the collection plans required pursuant to § 23-47.9-10 for free collection of](#)
5 [mercury containing lamps from covered entities in the state.](#)

6 SECTION 2. This act shall take effect upon passage.

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EXPLANATION
BY THE LEGISLATIVE COUNCIL
OF

A N A C T

RELATING TO HEALTH AND SAFETY -- MERCURY REDUCTION AND EDUCATION
ACT

- 1 This act would prohibit, beginning January 1, 2024, any compact fluorescent lamp or linear
2 fluorescent lamp to be offered for final sale, sold at final sale, or distributed in the state as a new
3 manufactured product.
4 This act would take effect upon passage.

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