

GG214-14

506.2, 506.3, 506.1, 506.1.1 (New), 506.1.2 (New), 506.1.3 (New)

Proponent: Jack Bailey, One Lux Studio, representing International Association of Lighting Designers (jbailey@oneluxstudio.com)

Revise as follows:

506.1 Low mercury lamps. ~~The mercury content in lamps shall comply with Section 506.2 or 506.3.~~

~~**Exception:** Appliance, black light, bug, colored, germicidal, plant, shatter-resistant/shatterproof/shatter protected, showcase, UV, T-8 and T-12 lamps with a color rendering index of 87 or higher, lamps with RDC bases, and lamps used for special-needs lighting for individuals with exceptional needs.~~

The Mercury content in lamps shall comply with Sections 506.1.1, 506.1.2, and 506.1.3 as applicable.

Exception: Mercury content is not limited for lighting integral to equipment or instrumentation and installed by the manufacturer.

Add new text as follows:

506.1.1 Straight fluorescent lamps. Straight, double-ended fluorescent lamps less than 6 feet (1800 mm) in length shall comply with the following:

1. T-5 lamps with a rated lifetime less than 25,000 hours at 3 hours per start shall contain not more than 3 milligrams of Mercury per lamp.
2. T-8 lamps with a rated lifetime less than 25,000 hours at 3 hours per start shall contain not more than 4 milligrams of Mercury per lamp.
3. All others shall contain not more than 5 milligrams of Mercury per lamp.

506.1.2 Compact fluorescent lamps. Single-ended pin-base and screw-base compact fluorescent lamps shall contain not more than 5 milligrams of Mercury per lamp.

506.1.3 Circular fluorescent lamps. Circular fluorescent lamps shall contain not more than 5 milligrams of Mercury per lamp.

Delete without substitution:

~~**506.2 Straight fluorescent lamps.** Straight, double-ended fluorescent lamps less than 6 feet (1829 mm) in nominal length and with bi-pin bases shall contain not more than 5 milligrams of mercury per lamp.~~

~~**Exception:** Lamps with a rated lifetime greater than 22,000 hours at 3 hours per start operated on ANSI reference ballast shall not exceed 8 milligrams of mercury per lamp.~~

~~**506.3 Compact fluorescent lamps.** Single-ended pin-base and screw-base compact fluorescent lamps shall contain not more than 5 milligrams of mercury per lamp, and shall be listed and labeled in accordance with UL 1993.~~

~~**Exception:** Lamps rated at 25 watts or greater shall contain not more than 6 milligrams of mercury per lamp.~~

Reason: Mercury content requirements have been tightened based on improved market availability of low-mercury products. Exceptions for many specialized lamp types have been removed, because these are either older “legacy” products which do not need to be installed in new green buildings, or because they are “specialized” lamps which come installed in equipment.

Mercury content values are based on those in Oregon’s SB 1512.

Cost Impact: Will not increase the cost of construction.

GG214-14 : 506.1-BAILEY704
