

PROPOSED REGULATION OF THE OFFICE OF ENERGY

LCB File No. R020-12

AUTHORITY: NRS 701.260

A REGULATION prohibiting the sale in this State of certain general purpose lights that do not produce a specified amount of lumens per watt of electricity consumed on or after January 1, 2016.

Section 1. Chapter 701.XXX of NAC is hereby created by adding thereto the provisions set forth as sections 2 to 7, inclusive, of this regulation. Effective January 1, 2016.

Sec. 2. *As used in sections 2 to 7, inclusive, of this regulation, the words and terms defined in NRS 701.260 of this regulation have the meanings ascribed to them in those sections.*

Sec. 3. *“General Purpose light” means lamps, bulbs, tubes or other devices that provide functional illumination for indoor or outdoor use. The range of visible light emitted by “general purpose lights” covered in this regulation shall be 563 lumens through 3300 lumens. General Purpose light shall operate from line voltage (110-130 VAC) and shall be a standard threaded medium screw base, candelabra base or pin base. The type of technology covered by this regulation includes incandescent, halogen, CFL, metal halide, linear fluorescent, LED, mercury vapor, low pressure sodium and high pressure sodium. The term “general purpose” does not include an appliance lamp, a black light lamp, a bug lamp, a colored incandescent lamp, an infrared lamp, a left-hand thread lamp, a marine lamp, a marine signal service lamp, a mine service lamp, a plant light lamp, a reflector lamp, a shatter-resistance lamp (including a shatter-proof lamp and a shatter-protected lamp), a sign service lamp, a silver bowl lamp and a traffic signal lamp. The term does not include “Specialty Lighting” or “Lighting necessary to provide illumination for persons with special needs”.*

Sec. 3.1 Appliance lamp. *The term “appliance lamp” means any lamp that is specifically designed to operate in a household appliance, has a maximum wattage of 40 watts, and is sold at retail, including but not limited to an oven lamp, refrigerator lamp, and vacuum cleaner lamp; and is designated and marketed for the intended application with the designation on the lamp packaging and marketing materials that identify the lamp as being for appliance use.*

Sec. 3.2 A shatter-resistant lamp, shatter-proof lamp or shatter-protected Lamp. *The terms “shatter-resistant lamp, shatter-proof lamp or shatter-protected lamp” mean a lamp that has a coating or equivalent technology that is compliant with NSF/ANSI 51 and is designed to contain the glass if the glass envelope of the lamp is broken; and is designated and marketed*

for the intended application, with the designation on the lamp and H.R. 6-85 marketing materials that identify the lamp as being shatter-resistant, shatter-proof or shatter-protected.

Sec. 3.3 A colored Incandescent Lamp. *The term “colored incandescent lamp” means an incandescent lamp designated and marketed as a colored lamp that has H.R. 6-86 a color rendering index of less than 50, as determined according to the test method given in C.I.E. publication 13.3-1995; or a correlated color temperature of less than 2,500K, or greater than 4,600K, where correlated temperature is computed according to the Journal of Optical Society of America, Vol. 58, pages 1528-1595 (1996).*

Sec. 3.4 Medium screw base. *The term “medium screw base” means a lamp that uses the medium screw base as described in ANSI C81.61-2006, specifications for Electric Bases, common designation E17.*

Sec. 3.5 Candelabra base. *The term “candelabra base” means a lamp that uses candelabra screw base as described in ANSI H.R. 6-84, C81.61-2006 Specifications for Electric Bases, common designations E11 and E12.*

Sec. 4. *“Specialty Lighting” shall be those lights that use lower than line voltage as a power source and have other than a threaded or pin base for installation into the fixture.*

Sec. 5. *“Lighting necessary to provide illumination for persons with special needs” shall be those devices that provide illumination for persons with special needs that are not defined in general purpose or special lighting defined in Sec. 3 and 4 above. This designation would include those luminaires that magnify an image for persons with impaired vision or lamps that are intended to help people with seasonal affective disorder. General purpose lights should be applicable to most lighting needs for persons with special needs.*

Sec. 6. *After January 1, 2016, no “general purpose light” defined in Sec. 3. may be sold in this State unless it produces at least 35 lumens per watt of electricity consumed and a minimum lifetime of 1,000 hours.*

Sec. 7. *The lumens emitted by a “general purpose light” and power used to provide the lumens shall be rated by the test procedures identified by the Illuminating Engineering Society of North America (IESNA) standards and methods identified below.*

IESNA LM-78 (Method for total luminous flux measurement of lamps using an integrating sphere photometer).

IESNA LM-445-09 (The electrical and photometric measurement of general service incandescent filament lamps).

The lumens, power use and life of the bulb shall be printed on the package so it is easily visible to the purchaser.