

**APPROVED REGULATION OF THE
DIRECTOR OF THE OFFICE OF ENERGY WITHIN THE
OFFICE OF THE GOVERNOR**

LCB File No. R100-19

Filed November 2, 2020

EXPLANATION – Matter in *italics* is new; matter in brackets ~~omitted material~~ is material to be omitted.

AUTHORITY: §1, NRS 701.260.

A REGULATION relating to lighting; establishing provisions relating to the energy efficiency of certain lights sold in this State; and providing other matters properly relating thereto.

Legislative Counsel’s Digest:

Existing law requires the Director of the Office of Energy to establish a minimum standard of energy efficiency for general service lamps sold in this State on or after January 1, 2020, which must meet or exceed 45 lumens per watt of electricity consumed. Existing law also requires the Director to adopt by regulation a definition of “general service lamp.” (NRS 701.260) This regulation prohibits the sale of a general service lamp in this State on or after January 1, 2021, unless it meets or exceeds 45 lumens per watt of electricity consumed. This regulation also defines the term “general service lamp.”

Section 1. Chapter 701 of NAC is hereby amended by adding thereto a new section to read as follows:

1. On or after January 1, 2021, no general service lamp may be sold in this State unless it meets or exceeds 45 lumens per watt of electricity consumed, when tested in accordance with the test procedures for general service lamps prescribed by 10 C.F.R. § 430.23(gg).

2. For the purposes set forth in subsection 3, the standards of the American National Standard Institute set forth in NEMA ANSI C79.1-2002, American National Standard for Nomenclature for Glass Bulbs Intended for Use with Electric Lamps, are hereby adopted by

reference in the form most recently published by the National Electrical Manufacturers Association. A copy of the standards adopted by reference in this subsection may be obtained free of charge by members of the American National Standards Institute, at the Internet address <https://webstore.ansi.org/Standards/NEMA/NEMAANSIC792002>.

3. The term “general service lamp,” as used in this section and NRS 701.260 shall be interpreted to:

(a) Mean a lamp that:

(1) Has a medium, candelabra or intermediate screw base;

(2) Is able to operate at a voltage:

(I) Of 12 volts;

(II) Of 24 volts;

(III) Of 100 to 130 volts;

(III) Of 220 to 240 volts; or

(IV) Of 277 volts for integrated lamps or any voltage for nonintegrated lamps;

(3) Has an initial lumen output of not less than 310 lumens, or not less than 232 lumens for modified spectrum general service incandescent lamps, and not more than 3,300 lumens;

(4) Is not a light fixture or an LED downlight retrofit kit; and

(5) Is used in general lighting applications.

(b) Include, without limitation:

(1) General service incandescent lamps;

(2) Compact fluorescent lamps;

(3) General service LED lamps;

(4) General service organic LED lamps; and

(5) Reflector lamps.

(c) Not include:

(1) Appliance lamps;

(2) B shape lamps with a diameter of 1.25 inches, as defined in NEMA ANSI C79.1-2002, and a candelabra screw base, which consume not more than 40 watts and are sold in this State before January 1, 2023;

(3) Black light lamps;

(4) Bug lamps;

(5) Colored lamps;

(6) G shape lamps with a diameter of 5 inches or more, as defined in NEMA ANSI C79.1-2002;

(7) General service fluorescent lamps;

(8) Germicidal ultraviolet lamps (GUV);

(9) High-intensity discharge lamps;

(10) Infrared lamps;

(11) J, JC, JCD, JCS, JCV, JCX, JD, JS and JT shape lamps that do not have Edison screw bases;

(12) Lamps that have a wedge base or prefocus base;

(13) Left-hand thread lamps;

(14) Marine lamps;

(15) Marine signal service lamps;

(16) Mine service lamps;

(17) MR shape lamps that:

(I) Have a first number symbol equal to 16 (diameter equal to 2 inches) as defined in NEMA ANSI C79.1-2002;

(II) Operate at 12 volts; and

(III) Have a lumen output not less than 800;

(18) Other fluorescent lamps;

(19) Plant light lamps;

(20) R20 short lamps;

(21) Reflector lamps that have a first number symbol less than 16 (diameter less than 2 inches) as defined in NEMA ANSI C79.1-2002 and that do not have E26/E24, E26d, E26/50x39, E26/53x39, E29/28, E29/53x39, E39, E39d, EP39 or EX39 bases;

(22) S shape or G shape lamps that have a first number symbol less than or equal to 12.5 (diameter less than or equal to 1.5625 inches) as defined in NEMA ANSI C79.1-2002;

(23) Sign service lamps;

(24) Silver bowl lamps;

(25) Showcase lamps;

(26) Specialty MR lamps;

(27) T shape lamps that:

(I) Have a first number symbol less than or equal to 10 (diameter less than or equal to 1 1/4 inches) as defined in NEMA ANSI C79.1-2002;

(II) Consume not more than 40 watts;

(III) Have a nominal overall length less than 12 inches; and

(IV) Are not compact fluorescent lamps; or

(28) Traffic signal lamps.