S T A T E O F N E W Y O R K

7773

2011-2012 Regular Sessions

I N A S S E M B L Y

May 16, 2011

Introduced by M. of A. HEVESI -- read once and referred to the Committee on Environmental Conservation

AN ACT to amend the environmental conservation law, in relation to requiring all new outdoor lighting to be solid-state lighting

THE PEOPLE OF THE STATE OF NEW YORK, REPRESENTED IN SENATE AND ASSEMBLY, DO ENACT AS FOLLOWS:

Section 1. The environmental conservation law is amended by adding a new article 20 to read as follows:

ARTICLE 20

SOLID-STATE OUTDOOR LIGHTING

SECTION 20-0101. DEFINITIONS.

20-0103. SOLID-STATE OUTDOOR LIGHTING REQUIRED.

S 20-0101. DEFINITIONS.

WHEN USED IN THIS ARTICLE:

1. "LAMP" MEANS THE COMPONENT OF A LUMINAIRE THAT PRODUCES LIGHT; A LIGHT BULB.

2. "LIGHT EMITTING DIODE" OR "LED" IS A SEMI-CONDUCTING DEVICE THAT PRODUCES LIGHT WHEN AN ELECTRICAL CURRENT FLOWS THROUGH IT.

3. "LUMINAIRE" MEANS A COMPLETE LIGHTING UNIT, INCLUDING A LAMP OR LAMPS TOGETHER WITH THE PARTS DESIGNED TO DISTRIBUTE THE LIGHT, TO POSITION AND PROTECT THE LAMPS, AND TO CONNECT THE LAMPS TO THE POWER SUPPLY; A LIGHT FIXTURE.

4. "ORGANIC LIGHT-EMITTING DIODES" OR "OLEDS" ARE LEDS BASED ON ORGANIC MATERIALS.

5. "SOLID-STATE LIGHTING" MEANS LAMPS THAT ARE EITHER LIGHT-EMITTING DIODES OR ORGANIC LIGHT EMITTING DIODES. SUCH LAMPS SHALL:

(A) HAVE MINIMUM OPERATING TEMPERATURES BETWEEN MINUS FORTY DEGREES CELSIUS AND FORTY-FIVE DEGREES CELSIUS;

(B) HAVE OPERATING VOLTAGES OF ONE HUNDRED TWENTY TO TWO HUNDRED THIRTY VOLTS AC/DC;

(C) BE DIMMABLE WITH NO COLOR SHIFT (>200DEG K);

EXPLANATION--Matter in ITALICS (underscored) is new; matter in brackets [ ] is old law to be omitted.

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(D) HAVE A MINIMUM PUBLISHED LIFE OF TWENTY-FIVE THOUSAND HOURS;
(E) HAVE A MINIMUM WARRANTY OF FIVE YEARS, OR THREE YEARS FOR MR 16S;
(F) BE DAMP LOCATION RATED (IL 1993 AND UL 8750);
(G) HAVE A LUMEN MAINTENANCE FIGURE OVER THE WARRANTY PERIOD AT LEAST SEVENTY PERCENT;
(H) HAVE BINNING RANGES LESS THAN ONE HUNDRED DEGREES BELOW THIRTY-ONE HUNDRED KELVIN AND NO MORE THAN TWO HUNDRED THIRTY DEGREES ABOVE THIRTY-ONE HUNDRED KELVIN USING THE FOUR STEP MCADAMS METHOD;
(I) HAVE A POWER FACTOR OF AT LEAST SEVENTY-FIVE PERCENT;
(J) HAVE A CLASS A MINIMUM RATING FOR ELECTRICAL NOISE;
(K) HAVE FORM FACTORS THAT MEET ANSI SPECIFICATIONS FOR STANDARD LAMP CONFIGURATIONS;
(L) MEET OR EXCEED ENERGY STAR SPECIFICATIONS OVER THE WARRANTY PERIOD FOR LUMEN COLOR SHIFT;
(M) MEET ENERGY START GUIDELINES FOR SUCH LAMP TYPE;
(N) BE MANUFACTURED BY A MANUFACTURER THAT SHALL:
(I) DEMONSTRATE AT LEAST FIVE YEARS OF PRODUCTION HISTORY;
(II) BE AN ENERGY STAR PARTNER; AND
(III) OWN A RESEARCH AND DEVELOPMENT FACILITY.
(O) BE MERCURY AND LEAD-FREE AND RECYCLABLE; AND
(P) HAVE A UNITED STATES DEPARTMENT OF ENERGY LIGHTING FACTS LABEL.

S 20-0103. SOLID-STATE OUTDOOR LIGHTING REQUIRED.

NO STATE AGENCY OR PUBLIC CORPORATION, AS DEFINED IN SECTION SIXTY-SIX OF THE GENERAL CONSTRUCTION LAW, OPERATING IN THE STATE SHALL INSTALL OR CAUSE TO BE INSTALLED ANY NEW OR REPLACEMENT PERMANENT OUTDOOR LUMINAIRE UNLESS SUCH LUMINAIRE UTILIZES SOLID-STATE LIGHTING.

S 2. This act shall take effect on the one hundred twentieth day after it shall have become a law. Effective immediately, the addition, amendment and/or repeal of any rule or regulation necessary for the implementation of this act on its effective date is authorized to be made on or before such date.