

7773

2011-2012 Regular Sessions

I N   A S S E M B L Y

May 16, 2011

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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 ASSEM-  
BLY, DO ENACT AS FOLLOWS:

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

3                                 ARTICLE 20

4                                 SOLID-STATE OUTDOOR LIGHTING

5     SECTION 20-0101. DEFINITIONS.

6                 20-0103. SOLID-STATE OUTDOOR LIGHTING REQUIRED.

7     S 20-0101. DEFINITIONS.

8     WHEN USED IN THIS ARTICLE:

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

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

13     3. "LUMINAIRE" MEANS A COMPLETE LIGHTING UNIT, INCLUDING A LAMP OR  
14     LAMPS TOGETHER WITH THE PARTS DESIGNED TO DISTRIBUTE THE LIGHT, TO POSI-  
15     TION AND PROTECT THE LAMPS, AND TO CONNECT THE LAMPS TO THE POWER  
16     SUPPLY; A LIGHT FIXTURE.

17     4. "ORGANIC LIGHT-EMITTING DIODES" OR "OLEDs" ARE LEDS BASED ON ORGAN-  
18     IC MATERIALS.

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

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

23     (B) HAVE OPERATING VOLTAGES OF ONE HUNDRED TWENTY TO TWO HUNDRED THIR-  
24     TY VOLTS AC/DC;

25     (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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1 (D) HAVE A MINIMUM PUBLISHED LIFE OF TWENTY-FIVE THOUSAND HOURS;  
2 (E) HAVE A MINIMUM WARRANTY OF FIVE YEARS, OR THREE YEARS FOR MR 16S;  
3 (F) BE DAMP LOCATION RATED (IL 1993 AND UL 8750);  
4 (G) HAVE A LUMEN MAINTENANCE FIGURE OVER THE WARRANTY PERIOD AT LEAST  
5 SEVENTY PERCENT;  
6 (H) HAVE BINNING RANGES LESS THAN ONE HUNDRED DEGREES BELOW THIRTY-ONE  
7 HUNDRED KELVIN AND NO MORE THAN TWO HUNDRED THIRTY DEGREES ABOVE THIR-  
8 TY-ONE HUNDRED KELVIN USING THE FOUR STEP MCADAMS METHOD;  
9 (I) HAVE A POWER FACTOR OF AT LEAST SEVENTY-FIVE PERCENT;  
10 (J) HAVE A CLASS A MINIMUM RATING FOR ELECTRICAL NOISE;  
11 (K) HAVE FORM FACTORS THAT MEET ANSI SPECIFICATIONS FOR STANDARD LAMP  
12 CONFIGURATIONS;  
13 (L) MEET OR EXCEED ENERGY STAR SPECIFICATIONS OVER THE WARRANTY PERIOD  
14 FOR LUMEN COLOR SHIFT;  
15 (M) MEET ENERGY START GUIDELINES FOR SUCH LAMP TYPE;  
16 (N) BE MANUFACTURED BY A MANUFACTURER THAT SHALL:  
17 (I) DEMONSTRATE AT LEAST FIVE YEARS OF PRODUCTION HISTORY;  
18 (II) BE AN ENERGY STAR PARTNER; AND  
19 (III) OWN A RESEARCH AND DEVELOPMENT FACILITY.  
20 (O) BE MERCURY AND LEAD-FREE AND RECYCLABLE; AND  
21 (P) HAVE A UNITED STATES DEPARTMENT OF ENERGY LIGHTING FACTS LABEL.  
22 S 20-0103. SOLID-STATE OUTDOOR LIGHTING REQUIRED.  
23 NO STATE AGENCY OR PUBLIC CORPORATION, AS DEFINED IN SECTION SIXTY-SIX  
24 OF THE GENERAL CONSTRUCTION LAW, OPERATING IN THE STATE SHALL INSTALL OR  
25 CAUSE TO BE INSTALLED ANY NEW OR REPLACEMENT PERMANENT OUTDOOR LUMINAIRE  
26 UNLESS SUCH LUMINAIRE UTILIZES SOLID-STATE LIGHTING.  
27 S 2. This act shall take effect on the one hundred twentieth day after  
28 it shall have become a law. Effective immediately, the addition, amend-  
29 ment and/or repeal of any rule or regulation necessary for the implemen-  
30 tation of this act on its effective date is authorized to be made on or  
31 before such date.