

ASSEMBLY, No. 2196

STATE OF NEW JERSEY

221st LEGISLATURE

PRE-FILED FOR INTRODUCTION IN THE 2024 SESSION

Sponsored by:

Assemblywoman MITCHELLE DRULIS

District 16 (Hunterdon, Mercer, Middlesex and Somerset)

SYNOPSIS

Requires outdoor lighting fixtures installed or replaced by, or on behalf of State, or at projects receiving State funds, to meet certain criteria.

CURRENT VERSION OF TEXT

As reported by the Assembly Environment, Natural Resources, and Solid Waste Committee with technical review.



1 **AN ACT** concerning certain outdoor lighting fixtures and
2 supplementing Title 52 of the Revised Statutes.

3
4 **BE IT ENACTED** *by the Senate and General Assembly of the State*
5 *of New Jersey:*

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7 1. As used in this act:

8 “Energy conservation” means the reduction of energy costs and
9 resources by use of methods including, but not limited to, the use of
10 light fixtures with the lowest feasible wattage or a photo-sensitive
11 or timer switch.

12 “Full cutoff fixture” means a luminaire whose luminous intensity
13 in candelas at or above an angle of 90 degrees above nadir does not
14 numerically exceed 2.5 percent of the luminous flux, in lumens, of
15 the lamp or lamps in the luminaire, and the luminous intensity, in
16 candelas, at or above a vertical angle of 80 degrees above nadir
17 does not numerically exceed 10 percent of the luminous flux of the
18 lamp or lamps in the luminaire.

19 “Fully shielded luminaire” means a luminaire that allows no
20 direct light emissions above a horizontal plane through the lowest
21 light-emitting part of the luminaire.

22 “Glare” means direct light emitting from a luminaire that is
23 significantly greater than luminance to which the eyes are adapted,
24 and which causes reduced vision or momentary blindness.

25 “Illuminance” means the unit measure of light at a surface.

26 “Lamp” means the component of a luminaire that produces the
27 specific form of radiant energy that is observed as light.

28 “Light trespass” means light emitted by a luminaire that shines
29 beyond the boundaries of the property on which the luminaire is
30 located.

31 “Lumen” means an international standard unit of luminous flux
32 representing the quantity of visible light output.

33 “Luminaire” means the complete lighting unit fixture consisting
34 of a lamp, or lamps and ballasts, together with the parts designed to
35 distribute light, including, but not limited to, a reflector, lens, and
36 diffuser, to position and protect the lamps, and to connect the lamps
37 to the power supply.

38 “Luminous flux” means the measure of the perceived power of
39 the light in lumens.

40 “Outdoor lighting fixture” means any type of fixed or movable
41 lighting equipment that is designed or used for illumination
42 outdoors. “Outdoor lighting fixture” shall not include lighting
43 equipment that is required by law to be installed on motor vehicles,
44 or lighting required for the safe operation of aircraft or installed at
45 an aviation facility.

46 “Project” means the acquisition, construction, improvement,
47 reconstruction, or repair of all or part of any building, facility,
48 structure, or real property.

1 “State agency” means any of the principal departments in the
2 Executive Branch of State Government, any division, board, bureau,
3 office, commission, or other instrumentality created by a principal
4 department, and any independent State authority, commission,
5 instrumentality, or agency established by law.

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7 2. a. Commencing on the effective date of this act, an outdoor
8 lighting fixture installed or replaced by, or on behalf of, a State
9 agency, or as part of a project that receives funds from a State
10 agency, shall comply with the following specifications:

11 (1) the luminaire shall be a fully shielded luminaire;

12 (2) the outdoor lighting fixture shall emit only as much light as
13 necessary for the intended purpose and shall not exceed the
14 minimum illuminance level recommended for that purpose by the
15 Illuminating Engineering Society of North America or the Federal
16 Highway Administration;

17 (3) the outdoor lighting fixture shall use a full cutoff fixture
18 when the output of light is greater than 1,800 lumens; and

19 (4) full consideration has been given to energy conservation,
20 and to reducing glare, minimizing light trespass and light pollution,
21 and to preserving the natural night environment.

22 b. The provisions of subsection a. of this section shall not apply
23 in the following circumstances:

24 (1) the outdoor lighting fixture is used on a temporary basis
25 because emergency personnel require additional illumination for
26 emergency procedures;

27 (2) the outdoor lighting fixture is used on a temporary basis for
28 nighttime work; or

29 (3) a compelling safety interest exists that cannot be addressed
30 by another method.

31 c. Notwithstanding the provisions of this section to the contrary,
32 in the case of outdoor lighting fixtures installed along any roadway
33 in the State, the Department of Transportation shall assess whether
34 the purpose of the outdoor lighting fixture can be achieved by the
35 installation of reflective road markers, lines, warning or
36 informational signs, or other effective passive methods in lieu of the
37 installation of outdoor lighting fixtures.

38 d. The State Treasurer shall provide guidance to every State
39 agency concerning the requirements of this act.

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41 3. Notwithstanding the provisions of any other law, or rule or
42 regulation adopted pursuant thereto, to the contrary, the Director of
43 the Division of Purchase and Property in the Department of the
44 Treasury, the Director of the Division of Property Management and
45 Construction in the Department of the Treasury, or any State agency
46 having authority to contract for the purchase of goods or services,
47 shall comply with the requirements of this act.

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- 1 4. This act shall take effect on the first day of the third month
- 2 next following the date of enactment.