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Lighting Efficiency Standards for Public Buildings

Sec. 16a-39-1. Scope

These regulations shall control all matters concerning the lighting efficiency within or on public buildings through the lighting efficiency standards adopted in accordance with Sub-section (b) of Section 16a-39 of the Connecticut General Statutes. They shall control the operation of all lighting equipment used within or on buildings for the purposes of lighting.

(Effective November 1, 1979)

Sec. 16a-39-2. Purpose

(a) to set maximum power limits for the conservation of energy thereby reducing the power consumed for lighting buildings, both for interior and exterior purposes;

(b) to insure against conflict with safety, health, environmental or building code regulations;

(c) to address the issue of maximum feasible energy efficiency of lighting equipment commensurate with those other facts specified in Sub-section (c) of Section 16a-39 of the Connecticut General Statutes.

(Effective November 1, 1979)

Sec. 16a-39-3. Goals

(a) The goal of these standards is twofold:

(1) to achieve energy conservation through a reduction of energy used for lighting for public buildings; and

(2) to ensure maintenance of the highest degree of energy efficiency possible in the public buildings in Connecticut.

(Effective November 1, 1979)

Sec. 16a-39-4. Definitions

(a) **Commissioner:** the Commissioner of the Department of Administrative Services, or his designee.

(b) **Lighting Power Budget:** the upper limit of the power needed to provide lighting in accordance with Sections MCA-1309.1 through -1309.4 inclusive, with the exception of Sub-section 1309.22, of the Mechanical Code Appendix of the State Building Code.

(c) **Owner:** any person, agent, firm or corporation having legal or equitable interest in the building and heads of departments of governments of the State and political subdivisions who are vested with the authority to maintain and operate government-owned buildings.

(d) **Secretary:** the Secretary of the Office of Policy and Management, or his designee.

(e) **Standards:** those lighting efficiency standards adopted pursuant to Section 16a-39 of the Connecticut General Statutes and set forth herein.

(Effective November 1, 1979)

Sec. 16a-39-5. Exempted buildings

The following buildings are exempted from these regulations:

(a) any building whose peak design rate of energy usage for all purposes is less than one watt per square foot of floor area for all purposes;

(b) any building with neither a heating nor cooling system;

(c) any building owned or leased in whole or in part by the United States;

(Effective November 1, 1979)

Sec. 16a-39-6. Lighting switching

All exterior building lighting fixtures shall be capable of being switched automatically for non-operation when natural light is available. The use of photo-cell controls and timing is encouraged.

(Effective November 1, 1979)

Sec. 16a-39-7. Lighting power budget calculations

(a) Lighting power budgets shall be calculated in accordance with Sections MCA-1309.1 through -1309.4 inclusive, with the exception of Subsection-1309.22, of the Mechanical Code Appendix of the State Building Code.

(b) **Alternates:** The lighting power budget for any portion of the interior area may be increased or decreased from the calculated power budget values provided that the total calculated interior lighting power budget is not exceeded.

(Effective November 1, 1979)

Sec. 16a-39-8. Inspections

(a) **Types of Inspections.** Under these regulations the following two forms of inspection will be performed: a Compliance Inspection and a Complaint Inspection.

(1) Compliance Inspection. The Commissioner shall make random inspections of buildings to monitor compliance with the regulations established herein.

(2) Complaint Inspection. Upon receipt of a written complaint alleging a violation of these regulations, the Commissioner may have an inspection of the site of complaint performed. The results of the inspection shall be reported to the owner and the complainant.

(b) **Compliance Information.** Upon inspection under any of the two above inspection categories, if it is determined that there is a lack of compliance with the regulations, the inspector shall make available to the owner of the building, or in the case of government buildings, the appropriate department head, a copy of these regulations and information on the economic advantages and feasibility of increasing lighting efficiency and the energy savings resulting therefrom.

(c) **Reinspection.** The owner or department head may, after having taken such measures as are necessary to render the building or portion thereof in compliance, request a reinspection in writing. Upon review of the data furnished, such reinspection may be scheduled if found necessary. The owner or department head shall be notified concerning the disposition of the results.

(d) Annually, the Commissioner will furnish a listing of all inspections performed to the Secretary.

(Effective November 1, 1979)