

CHAPTER 4130
DEPARTMENT OF ENERGY AND ECONOMIC
DEVELOPMENT
OUTDOOR DISPLAY LIGHTING

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4130.0100 DEFINITIONS.

Subpart 1. **Scope.** For purposes of parts 4130.0100 to 4130.1400, the following definitions shall apply.

Subp. 2. **Ballast.** "Ballast" means a device used with an electric discharge lamp to obtain the necessary circuit conditions for starting and operating.

Subp. 3. **Business day.** "Business day" means that portion of a 24-hour period when an establishment is open for business.

Subp. 4. **Daytime hours.** "Daytime hours" means the time between one-half hour after sunrise and one-half hour before sunset, or when the ambient light level is greater than two footcandles.

Subp. 5. **Establishment.** "Establishment" means a place of business or a public or private institution.

Subp. 6. **Footcandle.** "Footcandle" means a standard measure of light intensity.

Subp. 7. **Luminous sign tubing.** "Luminous sign tubing" means lights commonly known as neon lights.

Subp. 8. **Lumens per watt.** "Lumens per watt" means a standard unit of measure of light efficiency.

Subp. 9. **Outdoor display lighting.** "Outdoor display lighting" means any outdoor building facade lighting, any outdoor decorative lighting, any illuminated off-premise advertising, and any on-premise outdoor lighting including security lighting.

Subp. 10. **Security lighting.** "Security lighting" means a type of outdoor display lighting located on, or around the exterior or perimeter of, a building, structure, fence, lot, or other outdoor area, the purpose of which is to protect persons or property against the threat or occurrence of harm.

Subp. 11. **Standardized outdoor display signs.** "Standardized outdoor display signs" means off-premise outdoor display advertising commonly known as billboards.

Subp. 12. **Temporary or seasonal display lighting.** "Temporary or seasonal display lighting" means display lighting that, on at least 300 consecutive days in any 12-month period, is not illuminated.

Statutory Authority: *MS s 116J.10*

4130.0200 PURPOSE OF RULES.

The purpose of parts 4130.0100 to 4130.1400 is to define outdoor display lighting, to specify permissible hours of operation of outdoor display lighting, and to establish quantity and efficiency standards for outdoor display lighting pursuant to Minnesota Statutes, section 116J.19, subdivision 2.

Statutory Authority: *MS s 116J.10*

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4130.0300 SCOPE OF RULES.

Subpart 1. **Dates.** Beginning July 1, 1980, no person shall operate outdoor display lighting during hours other than those specified by these rules. Beginning July 1, 1981, no person shall install outdoor display lighting in a quantity that exceeds, or at an efficiency less than, that provided by these rules. Beginning July 1, 1985, no person shall operate outdoor display lighting that does not comply with part 4130.1200, efficiency, and part 4130.1400, quantity.

Subp. 2. **Exceptions.** Parts 4130.0100 to 4130.1400 shall not apply to temporary or seasonal outdoor display lighting.

These parts shall not apply to outdoor display lighting that provides information as to the time of day, temperature, weather conditions, or other matters concerning the public health, safety, and welfare.

These parts shall not apply to penal institutions.

These parts shall not apply to airplane obstruction lighting as defined by the Federal Aviation Administration, nor to any other lighting that is required by federal, state, or local governmental law, rule, or regulation.

Statutory Authority: *MS s 116J.10*

PERMISSIBLE HOURS, EFFICIENCY, AND QUANTITY**4130.1100 PERMISSIBLE HOURS OF OUTDOOR DISPLAY LIGHTING OPERATION.**

Subpart 1. **Standardized signs.** Standardized outdoor display signs may not be artificially illuminated during daytime hours. Standardized outdoor display signs may not be artificially illuminated during the period between midnight and 6:00 a.m. or one-half hour after sunrise, whichever is earlier, except for the hours during that period when the establishment being advertised is normally open for business.

Subp. 2. **Historic landmarks.** Outdoor display lighting that is used to illuminate an historic landmark, as defined in Minnesota Statutes, chapter 138 or section 4.077, may be operated between one-half hour before sunset and 10:00 p.m.

Subp. 3. **Other display lighting.** All other outdoor display lighting except security lighting may be operated from one-half hour before sunset until one hour after the close of a business day, when the ambient light level is less than two footcandles and from the beginning of a business day until one-half hour after sunrise. In addition, on-premises outdoor display lighting that has a demand of 1,500 watts or less may be operated after the close of a business day until midnight even though the establishment closes prior to midnight.

Subp. 4. **Security lighting.** Security lighting may not be operated during daytime hours.

Statutory Authority: *MS s 116J.10*

4130.1200 PERMISSIBLE EFFICIENCY.

Subpart 1. **Minimum.** No person shall install or use outdoor display lighting in which the light source produces light at an initial efficiency, including ballast, of less than 40 lumens per watt.

Subp. 2. **Exceptions.** This part shall not apply to luminous sign tubing and shall not apply to any establishment whose total outdoor display lighting system has a demand of 1,500 watts or less.

Statutory Authority: *MS s 116J.10*

4130.1300 PERMISSIBLE QUANTITY FOR OUTDOOR DISPLAY LIGHTING.

No person shall operate any other outdoor display lighting that exceeds by

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more than 20 percent the recommended minimum standards set forth in the "IES Lighting Handbook" (5th edition), published by the Illuminating Engineering Society.

Statutory Authority: *MS s 116J.10*

4130.1400 PERMISSIBLE QUANTITY FOR SECURITY LIGHTING.

Subpart 1. Maximum. Beginning July 1, 1980, the provisions of part 4130.0300, items B and C notwithstanding, no person shall operate security lighting that exceeds 0.05 watts per square foot for the area lighted for security purposes, except that security lighting installed and placed in operation prior to July 1, 1981, may continue to operate at levels not exceeding 0.10 watts per square foot.

Subp. 2. Exception. Subpart 1 shall not apply to an establishment whose total security lighting system has a demand of 1,500 watts or less.

Statutory Authority: *MS s 116J.10*