

Section 1023 Outdoor Lighting and Illumination. 65 repealed 201 374

Purpose

Preserve low light level conditions that minimize light pollution, while maintaining adequate lighting for safety, security, and enjoyment of outdoor living

Definitions

For the purposes of this section, exterior lighting is defined and regulated by the following definitions and categories:

1. Footcandle (fc) - A unit of illuminance equal to the light from one candle projected on a one foot square surface at a distance of one foot from the candle. One foot-candle equals one lumen.
2. Lumens – The Standard International (SI) unit of luminous flux
3. Luminaire (Light Fixture) - A complete lighting unit consisting of a lamp or lamps and ballast(s) (when applicable) together with the parts designed to distribute the light, position and protect the lamps, to connect the lamps to the power supply.
4. Lux - A unit of measure of the intensity from light of a candle illuminating a one meter square surface, one meter from the candle. One foot-candle equals approximately 10 Lux.
5. Opaque - Impervious to the passage of light.
6. Partially Shielded (Partial Cut-Off) - A fixture that allows light rays to be emitted up and down and shielded with an Opaque material in such a manner to prevent the Luminaire from being seen.
7. Safety Lighting - Low-level lighting used to illuminate vehicular and pedestrian circulation.
8. Security Lighting - Fully Shielded Down Light that is intended to provide bright illumination during emergency situations only.

All types of outdoor Luminaires are subject to the following limitations:

1. Exterior Luminaires shall not provide light in excess of 0.75 foot candles or equivalent Lux of projected brightness measured at the nearest property line.
2. Each lighting or illuminating device shall be set back from the nearest property line a minimum of ten (10) feet or a distance equal to or greater than the height of the device above natural or excavated grade, whichever is greater.

EXCEPTION: A lighted entry marker may be placed on each side of a driveway entrance. The entry markers shall not be placed within the Town right-of-way or private road areas and the total height of the marker and light shall not exceed four (4) feet above finished grade adjacent to the driveway. The light source shall not **300 Lumens** and shall be partially shielded.

3. The following Luminaires shall not exceed a height of thirty-six (36) inches above natural or excavated grade, whichever is lower, and shall not exceed **300 Lumens**
 - a. Lighting or illumination of landscape;
 - b. Accent or aesthetic lighting of buildings or structures;
 - c. Any Luminaire that directs light above a horizontal plane.
4. Luminaires used for security and safety shall be an integral part of and attached to the building. The light source and reflecting device shall be shielded or hooded with an Opaque cover so that it is not visible from off the property and shall not be higher than twenty (20) feet above natural or excavated grade, whichever is lower. Each security/safety Luminaire shall not exceed **1200 Lumens**. The light source must be motion activated and on a timer not to exceed five (5) minutes per motion activation.. Limited use of Security/Safety lighting is encouraged to prevent excessive ambient light.
5. Temporary holiday lighting shall be permitted between October 15th and January 15th. **All other decorative colored Luminaires (with an exception for underwater Luminaires) are prohibited.**
6. Tennis court lighting shall be hooded or shielded so that the light source and reflecting device is not visible from off the property. No Luminaire shall project light in excess of 0.75 foot candles **or equivalent Lux** of brightness measured at the nearest property line. The maximum height of tennis court lighting shall not exceed twenty (20) feet above the court surface or natural grade whichever is lower.
7. On Hillside lots there shall be no lighting permitted in the undisturbed areas of the property. Exterior lighting shall be kept to the minimum amount needed for the safe use of the property and all permitted lighting shall comply with all terms of this section. Additional regulations are listed in Article XXII Hillside Development Regulations, Section 2208 Outdoor Lighting.

Section 2506. Lighting: ³⁸⁸

- A. Signs may be illuminated with illumination confined to the area of the sign.
- B. All light sources shall be Fully Shielded so they do not create a nuisance or hazard.
- C. Lighting shall not be flashing, intermittent or scintillating; shall not be moving, animated or create noise in any manner.
- D. Back lighting of freestanding letters mounted on a wall shall be limited to 100 Lumens per square foot of sign area and the letters shall be fabricated so that the illumination source is not visible. Backlit non-Opaque panels are not permitted.

External sign lighting shall be shielded so that the illumination source is not visible from any adjacent street or property and does not shine beyond the sign area it is intended to illuminate

- E. Signs that are internally illuminated shall not exceed 0.75 foot candles or equivalent Lux of projected brightness measured at the nearest property line.
- F. On externally lit signs, the color temperature of lighting shall be no more than 3000 Kelvins.
- G. Signs may be illuminated only during the hours that the associated establishment is open for business.

SPECIAL USE PERMIT GUIDELINES

Section 2 Lighting

The following lighting guidelines shall apply to all non-residential properties requiring a Special Use Permit.

- a. Outdoor lighting shall be permitted so long as:
 - i. the light emitting element is shielded so that no beam of light extends above a horizontal plane placed at the lowest level of any exposed portion of the light emitting element; and
 - ii. the light emitting element and reflecting device of all lighting or illumination units is hooded or shielded so that it is not visible from any adjacent lot or real property; and

- iii. such outdoor lighting or illuminating units do not direct light, either directly or through a reflecting device, upon any adjacent real property.
 - iv. uplighting shall be permitted so long as no Luminaire is greater than 300 Lumens.
- b. Outdoor pole lighting shall be permitted subject to the provisions of subsection A.8.a of this section so long as:
- 1. the height of such lights or illumination does not exceed 16 feet measured from the natural ground level; and
 - 2. Each lighting or illuminating device shall be set back from the nearest property line a distance equal to or greater than the height of the device above natural ground level.
- c. Outdoor light levels, measured in foot candles or equivalent Lux in accordance with Illuminating Engineering Society of North America (IESNA) standards, shall not exceed the following levels in the locations specified:
- i. parking lots – 1.6.
 - ii. entrance roadways, interior driveways and drop off areas – 5.0.
 - iii. adjacent to service buildings and loading docks – 5.0.
 - iv. in conjunction with architectural lighting adjacent to all other structures – 3.0.
 - v. outdoor pool decks and function areas – 5.0.
 - vi. outdoor dining areas – 10.0.
- d. No outdoor lighting shall be permitted within any setback area adjacent to a residential property unless:
- i. the lighting measured at the property line does not exceed 0.5 foot candles; and
 - ii. all light emitting elements are less than three (3) feet in height.