

ARTICLE 151.11 OUTDOOR LIGHT CONTROL

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Section 151.11.001 Purpose

It is the intention of this section to encourage good lighting practices that are designed to conserve energy and money; while increasing nighttime safety, utility, security and productivity, and minimize light pollution.

Section 151.11.002 Conformance with Applicable Codes

- A. All outdoor artificial illuminating devices shall be installed in conformance with the provisions of this section and any building code, as applicable.
- B. Where any provisions of any of the Arizona State Statutes, any federal law, or any companion ordinance conflict with the requirements of this outdoor light control provision, the most restrictive law shall govern.

Section 151.11.003 Street Lighting Standards See Section 151.08.008.

Section 151.11.004 General Requirements

- A. Shielding. All exterior illuminating devices, except those exempt from this section and those regulated by Section 151.08.008, shall be fully shielded.
- B. Filtration. Those outdoor light fixtures requiring a filter in Section 151.11.004,C shall have glass, acrylic, or translucent enclosures (quartz glass does not meet this requirement).
- C. Requirements for Shielding and Filtering. The requirements for shielding and filtering light emissions from outdoor light fixtures shall be as set forth in the following table:

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FIXTURE LAMP TYPE	SHIELDED	FILTERED
Low Pressure Sodium 1	None	None
High Pressure Sodium	Fully	None
Metal Halide 5	Fully	Yes
Fluorescent	Fully 4	Yes 2
Quartz 3	Fully	None
Incandescent greater than 150 watts	Fully	None
Incandescent, 150 watts or less	None	None
Fossil Fuel	None	None
Glass Tubes filled with neon, argon, krypton	None	None
Other Sources	As approved by the Director of Community Development	

FOOTNOTES:

1. This is the preferred light source to minimize undesirable light into the night sky affecting astronomical observations.
2. Warm white and natural lamps are preferred to minimize detrimental effects.
3. For the purposes of this section, quartz lamps shall not be considered an incandescent light source.
4. Outdoor advertising signs of the type constructed of translucent materials and wholly illuminated from within do not require shielding.
5. Metal halide display lighting shall not be used for security lighting after 11:00 p.m. (or after closing hours if before 11:00 p.m.) unless fully shielded. Metal halide lamps shall be in enclosed luminaries.

Section 151.11.005 Prohibitions

- A. Recreational Facilities. No outdoor recreational facility, public or private, shall be illuminated by non-conforming means after 11:00 p.m., except to conclude a specific recreational or sporting event or any other activity conducted at an outdoor facility in progress prior to 11:00 p.m.
- B. Outdoor Building or Landscaping Illumination. The unshielded outdoor illumination of any building, landscaping, signing or other purpose is prohibited, except with incandescent fixtures of 150 watts or less, or low pressure sodium fixtures.

Section 151.11.006 Exemptions

- A. Non-conforming Fixtures. All outdoor light fixtures, existing and fully installed, or for which a building permit has been issued prior to the effective date of this Code, may remain "non-

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conforming" provided, however, that no change in use, replacement, structural alteration, or restoration after abandonment of outdoor light fixtures shall be made unless it thereafter conforms to the provisions of this Code. Non-conforming fixtures may continue to be used provided such fixtures are extinguished between the hours of midnight and sunrise by an automatic shut-off device.

- B. Fossil Fuel Light. Produced directly or indirectly by the combustion of natural gas or other utility-type fossil fuels.

Section 151.11.007 Procedures for Section Compliance

- A. Applications. Any individual applying for a development permit and intending to install outdoor lighting fixtures shall, as a part of said application, submit evidence that the proposed work will comply with provision of this section.
- B. Contents of Application or Submission. The submission shall contain the following:
 1. Plans indicating the location on the premises and the type of illuminating devices, fixtures, lamps, supports and other devices, etc.
 2. Description of the illuminating devices, fixtures, lamps, supports and other devices, etc. This description may include, but is not limited to, manufacturers' catalog cuts and/or drawings (including sections where required).
- C. Completeness of Applications or Submission. The above required plans and descriptions shall be sufficiently complete to enable the Director of Community Development to readily determine whether compliance with the requirements of this section will be secured. If such plans and descriptions cannot enable this ready determination by reason of the nature or configuration of the devices, fixtures or lamps proposed, the applicant shall submit evidence of compliance by certified test reports as performed by a recognized testing lab.