

Section 12 - Lighting

(orig. 7-23-02; am. 4-20-10)

A. Intent and Purpose

To provide clear regulations for lighting consistent with industry standards and practices, available technologies, and lighting sciences to minimize glare, excess brightness, harsh intensity, light trespass, and misdirection of lights and to protect nighttime public safety, security, privacy, productivity, and movement of vehicles and persons. (orig. 7-23-02)

B. General Provisions

1. Regulation

- a. Nothing in this section is intended to preclude compliance with the specific zone district regulations, other regulations within this Zoning Resolution or with County, State and Federal regulations as they may exist. Where Federal, State or County requirements conflict with the provisions of this section, the more restrictive standard shall apply. (orig. 7-23-02)
- b. Nothing in this section is intended to prevent the use of any design, material or method of installation not specifically proscribed by this section provided any such alternate has been approved by the County. An alternate may be approved if the proposed design, material or method provides approximate equivalence (or is superior) to the specific requirements of this section and complies with the intent of this section. (orig. 7-23-02)

2. Applicability

- a. All exterior luminaires newly designed, constructed, erected, or otherwise placed into operation and any alterations, rehabilitation, relocation or renovation to more than 75 percent of existing luminaires commenced after September 1, 2002, shall be in conformance with the requirements of this section. (orig. 7-23-02; am. 12-17-02; am. 9-15-09)
- b. Parking lot additions/expansions over fifty percent (50%). (orig. 9-15-09)
- c. Luminaires pre-existing and legally installed and operative before September 1, 2002, are exempt from the requirements of this section for the life of the luminaires. (orig. 7-23-02; am. 12-17-02)

C. Prohibitions

The installation, illumination or maintenance of any of the following shall be prohibited in all zone districts unless they have been approved by a permit issued pursuant to the Special Events section of this Zoning Resolution. (orig. 7-23-02; am. 12-17-02; am. 3-26-13)

1. Strobe lights. (orig. 7-23-02)
2. Search lights. (orig. 7-23-02)
3. Lasers and other high intensity beams. (orig. 7-23-02)
4. Blinking, flashing, flickering, rotating, pulsing or changing intensity lights. (orig. 7-23-02)
5. Any incident or reflected light that may be confused with or construed as a traffic control device, except as authorized by the State, Federal, or County government. (orig. 7-23-02)
6. Exposed neon as a light source. (orig. 9-15-09, am. 7-17-18)

D. Exemptions

The following shall be exempt from the requirements of this section: (orig. 7-23-02)

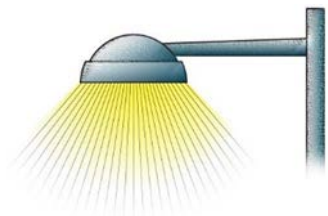
1. Holiday lights (decorations), clearly incidental and customary and commonly associated with any national, local or religious holiday provided that such lights shall be illuminated for a period of not more than 60 consecutive days nor more than 60 days in any one year. Holiday lights may be of any type, number, area, height, location, illumination or animation, except that they shall not produce incident or reflected light that may be confused with or construed as a traffic control device. (orig. 7-23-02)
2. Any lighting required by the FAA for air traffic control, navigation, and warning purposes. (orig. 7-23-02)

3. Emergency lighting as required by law enforcement or emergency services personnel to protect life or property provided such lighting is temporary and is discontinued immediately upon abatement of the emergency necessitating said lighting. (orig. 7-23-02)
4. Street or road lighting. (orig. 7-23-02; am. 12-17-02)
5. Construction lighting provided such lighting is temporary and is discontinued immediately upon completion of the construction work. (orig. 7-23-02)
6. Traffic control signals and devices. (orig. 7-23-02)
7. Vehicular lights. (orig. 7-23-02)

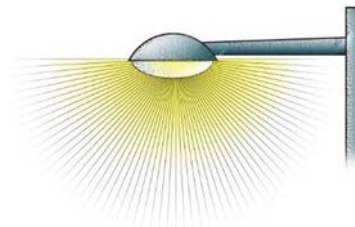
E. Standards

1. The following lamps shall be full cut-off fixtures, unless otherwise specified in this section: (orig. 7-23-02; am. 9-15-09)

AREA	LAMPS	
	Residential Uses	All Other Uses
Mountains	All lamps over 1,750 lumens (approximately equivalent to a 100-watt incandescent bulb).	All lamps
Plains	All lamps over 2,800 lumens (approximately equivalent to a 200-watt incandescent bulb).	



Does meet standard



Does not meet standard

Shielding shall not be required for lamps which accent entranceways, art, water features/fountains, landscaping, sculptures, statuary and other similar objects provided the light is concealed and narrowly focused on the object of interest. This exception does not include pathway lighting, bollards, or other pedestrian or trail circulation illumination. (orig. 7-23-02; am. 12-17-02; am. 9-15-09; am. 7-17-18)

2. Luminaires and their supporting structure shall be wholly confined to the property. (orig. 7-23-02; am. 12-17-02)
3. Pole heights in mountain areas shall not be greater than 14 feet. In the plains, a pole-mounted luminaire shall not be greater than 20 feet in height. (orig. 7-23-02; am. 12-17-02; am. 7-17-18)
4. All pole lights for public sports shall be sited in a way that minimizes the impacts to the surrounding residential properties, faced internal to site and downcast. (orig. 9-15-09)
5. Maximum illumination levels resulting from on-site lighting shall not exceed the following as measured on the property line: (orig. 7-23-02; am. 7-12-05; am. 9-15-09; am. 7-17-18)

USE	MAXIMUM ILLUMINATION LEVEL (foot-candles)	
	Mountains	Plains
Commercial, Industrial, Institutional adjacent to Similar Uses	No Limit	No Limit
Commercial, Industrial, Institutional Uses adjacent to Residential, Active Recreational, Agricultural Uses	0.2	0.3

Commercial, Industrial, Institutional Uses adjacent to ROW	0.3	0.6
Residential, Active Recreational, Agricultural adjacent to similar uses and ROW	0.2	0.3
All uses adjacent to Passive Recreational uses	0.1	0.1
Passive Recreational adjacent to all uses and ROW	0.1	0.1

Maximum ground level illumination levels of parking lots shall not exceed the following:

USE	MAXIMUM ILLUMINATION LEVEL (foot-candles)	
	Mountains	Plains
Commercial, Industrial, Institutional,	8	12
Multifamily Residential	5	7
Recreational	3	5
Luminaires and light fixtures associated with canopies,	15	20

Average ground level illumination of parking lots shall not exceed the following:

USE	AVERAGE ILLUMINATION LEVEL (foot-candles)	
	Mountains	Plains
Commercial, Industrial, Institutional	2	4
Multifamily Residential	2	3
Active Recreational	2	3

6. All illuminated signage or illuminated outdoor advertising devices shall comply with the requirements of this section in addition to the requirements of the Signs Section of this Zoning Resolution. (orig. 7-23-02; am. 12-17-02; am. 9-15-09; am. 7-17-18)
7. All lighting installations proposed for special events shall comply with the requirements of this section, and any additional provisions established pursuant to the requirements of the Special Events section of this Zoning Resolution and the conditions of the Special Event Permit (if issued). (orig. 7-23-02; am. 12-17-02; am. 3-26-13)
8. All outdoor lighting shall be installed with an on/off switch. (orig. 7-23-02)
9. Bollards or similar light fixtures shall not exceed 4 feet in height and shall be used with the intention of illuminating landscape features or pedestrian walkways. (orig. 9-15-09)
10. Pole-mounted light fixtures in parking and/or loading dock areas shall be placed a minimum of 5 feet outside the parking lot area; or 4 feet behind perimeter tire stop locations; or mounted on pedestals at least 30 inches in height above the parking lot surface; or protected by other means as deemed appropriate by Planning and Zoning. (orig. 9-15-09)
11. All luminaires and light fixtures associated with canopies, including but not limited to fuel islands, seasonal outdoor sales areas, shopping malls, theaters, bank drive-thrus, and hotels shall be full cut-off. All light emitted from the canopy shall be substantially confined to the ground directly beneath the perimeter of the canopy. No lighting of any kind, except as permitted by the signage section of this Zoning Resolution, shall be allowed on the top or sides of a canopy. (orig. 9-15-09)
12. Lighting Plan:
 - a. A lighting plan certified by a lighting designer, lighting engineer, or licensed electrical contractor, shall show all the following: (orig. 7-23-02; reloc. 12-13-16; am. 7-17-18)
 - (1) The location and height of all existing and proposed building and ground-mounted luminaries; (orig. 7-23-02; reloc. 12-13-16)

- (2) Photometric data indicating all the following items: the maximum foot-candles at all property lines, the location of the highest calculated foot-candles, and the average foot-candles in parking lot(s); (orig. 7-23-02; reloc. 12-13-16; am. 7-17-18)
- (3) A description of all proposed luminaries, including lamp type, the manufacturer, lamp wattage, lumen output per lamp, mounting or support device, and shielding (manufacturer's catalog cuts and drawings may be submitted); (orig. 7-23-02; reloc. 12-13-16)
- (4) Any additional information as may be required by Planning and Zoning to determine compliance with County regulations or to support the Illuminating Engineering Society of North America's recommended practices. Exceptions to the Illuminating Engineering Society of North America's recommended practices can be made by the County where necessary for safety purposes; (orig. 7-23-02; am. 4-27-04; am. 5-20-08; reloc. 12-13-16)
- (5) All calculations and results, including all sources and assumptions; and (orig. 7-23-02; reloc. 12-13-16)
- (6) A statement of certification addressing accountability for the content and accuracy of the submitted lighting plan and the installation of the lights according to the approved lighting plan. It is the responsibility of the owner to ensure compliance to all standards in effect. (orig. 7-23-02; reloc. 12-13-16)

F. Measurements

1. Illumination shall be measured in foot-candles. All on-site illumination readings shall be measured with a meter sensor in a horizontal position at ground level. (orig. 7-23-02)
2. All foot-candles in this section are initial horizontal levels. (orig. 7-23-02)
3. All foot-candle measurements shall include the sum of all on-site lighting installations, including all illuminated signs, illuminated outdoor advertising devices, building-mounted lights, and any light spillage from inside buildings. (orig. 7-23-02)
4. Pole-mounted luminaire heights shall be measured from finished grade to the top of the luminaire. Where a pole is located on a berm, the berm height shall be included in the height of the luminaire. (orig. 7-23-02)

