

APPENDIX B

SITE LIGHTING

The provisions contained in this appendix are not mandatory unless specifically referenced in the adopting ordinance.

SECTION B101 UPLIGHT

B101.1 Uplight. All exterior lighting shall comply with the requirements of Table B101.1 for the exterior lighting zones (LZ) appropriate to the *building site*.

Exception: Lighting used for the following exterior applications shall be exempt from the requirements of Table B101.1.

1. Lighting for *building* facades, landscape features, and public monuments in exterior LZ 3 and 4.
2. Lighting for *building* facades in exterior LZ 2.

**TABLE B101.1
UPLIGHT RATINGS^{a,b}**

	LZ 1	LZ 2	LZ 3	LZ 4
Maximum luminaire uplight rating	U1	U2	U3	U4

- a. Uplight ratings are defined by IESNA TM-15-07 Addendum A.
- b. The rating shall be determined by the actual photometric geometry in the specified mounting orientation.

SECTION B102 GLARE

B102.1 Light trespass and glare. Where luminaires are mounted on *buildings* at locations that are within a distance to the *lighting boundary*, measured horizontally, that is equal to twice the height that the luminaire is mounted, such luminaires shall not exceed the applicable glare ratings specified in Table B102(2). All other exterior luminaires shall not exceed the applicable backlight and glare ratings specified in Table B102(2).

**TABLE B102(1)
MAXIMUM GLARE RATINGS FOR BUILDING MOUNTED
LUMINAIRES LOCATED TWO MOUNTING HEIGHTS OR LESS
FROM LIGHTING BOUNDARY^{a, b, c}**

	LZ 1	LZ 2	LZ 3	LZ 4
Maximum luminaire glare rating	G0	G	G1	G2

- a. Mounting height is the distance above finished grade at which a luminaire is mounted, measured to the midpoint of the luminaire.
- b. Uplight and glare ratings are defined by IESNA TM-15-07 Addendum A.
- c. The rating shall be determined by the actual photometric geometry in the specified mounting orientation.

**TABLE B102(2)
MAXIMUM ALLOWABLE BACKLIGHT AND GLARE RATINGS^{a,b,c}**

	LZ 1	LZ 2	LZ 3	LZ 4
Luminaire located more than two mounting heights from <i>lighting boundary</i>	B4 G1	B4 G2	B4 G3	B4 G4
Luminaire located one to two mounting height from <i>lighting boundary</i>	B3 G1	B3 G2	B3 G3	B4 G4
Luminaire located one-half to one mounting height from <i>lighting boundary</i>	B2 G1	B2 G2	B2 G3	B3 G4
Luminaire located less than one-half mounting height from <i>lighting boundary</i>	B0 G1	B0 G2	B1 G3	B2 G4

- a. Backlight and glare ratings are defined by IESNA TM-15-07 Addendum A.
- b. Luminaires located two mounting heights or less from the *lighting boundary* shall be installed with backlight towards the nearest *lighting boundary*, unless they are lighting a roadway, bikeway or walkway that intersects a public roadway.
- c. The rating shall be determined by the actual photometric geometry in the specified mounting orientation.

