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## SECTION 130.2 – OUTDOOR LIGHTING CONTROLS AND EQUIPMENT

Nonresidential, high-rise residential and hotel/motel buildings shall comply with the applicable requirements of Sections 130.2(a) through 130.2(c).

- (a) **Outdoor Incandescent Lighting.** All outdoor incandescent luminaires rated over 100 watts, determined in accordance with Section 130.0(c)2, shall be controlled by a motion sensor.
- (b) **Luminaire Cutoff Requirements.** All outdoor luminaires rated for use with lamps greater than 150 lamp watts, determined in accordance with Section 130.0(c), shall comply with Backlight, Uplight, and Glare (collectively referred to as "BUG" in accordance with IES TM-15-11, Addendum A) requirements as follows:
  - 1. There are no Backlight requirements in Section 130.2 of Part 6; and
  - 2. Maximum zonal lumens for Uplight shall be in accordance with TABLE 130.2-A; and
  - 3. Maximum zonal lumens for Glare shall be in accordance with TABLE 130.2-B.

**NOTE:** ~~Note that~~ Title 24, Part 11, Section 5.106.8 includes additional restrictions on backlight, uplight and glare that may apply.

**EXCEPTION 1 to Section 130.2(b):** Signs.

**EXCEPTION 2 to Section 130.2(b):** Lighting for building facades, public monuments, statues, and vertical surfaces of bridges.

**EXCEPTION 3 to Section 130.2(b):** Lighting not permitted by a health or life safety statute, ordinance, or regulation to be a cutoff luminaire.

**EXCEPTION 4 to Section 130.2(b):** Temporary outdoor lighting.

**EXCEPTION 5 to Section 130.2(b):** Replacement of existing pole mounted luminaires in hardscape areas meeting all of the following conditions:

- A. Where the existing luminaire does not meet the luminaire BUG requirements in Section 130.2(b); and
- B. Spacing between existing poles is greater than six times the mounting height of the existing luminaires; and
- C. Where no additional poles are being added to the site; and
- D. Where new wiring to the luminaires is not being installed; and
- E. Provided that the connected lighting power wattage is not increased.

**EXCEPTION 6 to Section 130.2(b):** Luminaires that illuminate the public right of way on publicly maintained roadways, sidewalks, and bikeways.

- (c) **Controls for Outdoor Lighting.** Outdoor lighting controls shall be installed that meet the following requirements as applicable:

**EXCEPTION 1 to Section 130.2(c):** Outdoor lighting not permitted by a health or life safety statute, ordinance, or regulation to be turned OFF.

**EXCEPTION 2 to Section 130.2(c):** Lighting in tunnels required to be illuminated 24 hours per day and 365 days per year.

- 1. All installed outdoor lighting shall be controlled by a photocontrol or outdoor-astronomical time-switch control, ~~or other control capable of that~~ automatically ~~turns shutting~~ OFF the outdoor lighting when daylight is available.
- 2. All installed outdoor lighting shall be ~~circuit and~~ independently controlled from other electrical loads by an ~~automatic scheduling~~ control.
- 3. All installed outdoor lighting, where the bottom of the luminaire is mounted 24 feet or less above the ground, shall be controlled with automatic lighting controls that meet all of the following requirements: