

§142.0740 Outdoor Lighting Regulations

(a) Purpose and Intent

- (1) Outdoor lighting shall be installed in a manner that minimizes negative impacts from light pollution including light trespass, glare, and urban sky glow in order to preserve enjoyment of the night sky and minimize conflict caused by unnecessary illumination.
- (2) Regulation of outdoor lighting is also intended to promote good lighting design that conserves electrical energy. ~~Outdoor lighting is regulated by the State of California's Building Energy Efficient Standards of Title 24 of the California Code of Regulations, parts 1 and 6 [Title 24]. No light fixtures shall exceed the light emission requirements of Section 142.0740 unless the light emission requirements of Section 142.0740 do not comply with Title 24's energy efficient standards.~~

(b) ~~Outdoor lighting fixtures that are used to illuminate a premises, architectural feature or landscape feature on private property shall be directed, shielded, or located in such a manner that the light source is not visible offsite, to minimize light emission above the horizontal plane and so that light does not fall onto surrounding properties or create glare hazards within public rights of way.~~

(b) Outdoor lighting shall be installed and operated in compliance with Section 142.0740 in addition to the following regulations:

- (1) California Energy Code, California Code of Regulations, Title 24, Part 6,
- (2) California Green Building Standards Code, California Code of Regulations, Title 24, Part 11, and
- (3) Electrical Regulations (Chapter 14, Article 6).

(c) General regulations that apply to all outdoor lighting:

- (1) Outdoor lighting shall not exceed the maximum watts per square foot identified in California Code of Regulations, Title 24, Parts 6 and 11.
- (2) Outdoor lighting shall comply with the applicable California Green Building Standards Code lighting power requirement for the lighting zones identified on Map xxx filed in the office of the City Clerk.
- (3) Shields and flat lenses shall be required to control and direct the light below an imaginary horizontal plane passing through the lowest point of the fixture, except where otherwise authorized for:
 - (A) Residential entrance lights installed in accordance with the California Building Code and Electric Code requirements for residential exit doors, or

Comment [a3j1]: Designate all of Downtown Community Plan area as Zone 4 on Map. Follow process outlined for informing state and public of change in requirement.

- (B) Outdoor lighting fixtures less than 4,050 lumens.
- (4) Light trespass shall be minimized in accordance with the California Green Building Standards Code, California Code of Regulations, Title 24, Part 11.
- (5) Outdoor lighting shall not exceed nominal 4000 Kelvin Color Correlated Temperature (CCT).
- (6) Outdoor lighting on commercial and industrial properties shall be equipped with automatic timing devices that turn the lights off during daylight and as otherwise required in accordance with Section 142.0740(c)(7).
- (7) All outdoor lighting, including search lights, shall be turned off between 11:00P.M. and 6:00A.M. except:
 - (A) Outdoor lighting may remain lighted for commercial and industrial uses that continue to be fully operational after 11:00P.M. such as sales, assembly, and repair; and for security purposes or to illuminate walkways, roadways, equipment yards, and parking lots subject to the following:
 - (i) Adequate lighting for public safety shall be maintained. Outdoor lighting shall otherwise be reduced after 11:00 P.M. where practicable.
 - (ii) Within 30 miles of the Palomar and Mount Laguna observatories, outdoor lighting after 11:00P.M. shall be limited to a maximum of 4,050 lumens per fixture or a maximum of 2500 Kelvin CCT.
 - (B) Outdoor lighting for the following is permitted to remain lighted after 11:00 P.M. and is exempt from the maximum Kelvin CCT and maximum lumen requirements specified in Section 142.0740(c)(5) and (c)(7)(A):
 - (i) Outdoor lighting used to illuminate recreational activities that are not in a residential zone may continue after 11:00P.M. only when equipped with automatic timing devices and shielded to minimize light pollution.
 - (ii) Illuminated on-premises signs for businesses that are open to the public after 11:00P.M. may remain lighted during business operating hours only. Illuminated off-premises advertising display signs shall not be lighted after 11:00P.M. Signs located both on-and off-premises shall be equipped with automatic timing devices.

Comment [a3j2]: Term "nominal" considers +/- 300 to allow for typical manufacturing variance in products

(iii) Outdoor lighting for automated teller machines and associated parking lot facilities and access areas shall be provided during hours of darkness in accordance with the California Financial Code Section 13040-13041.

(C) Outdoor lighting within the Downtown Community Plan boundary designated on Map C-xxx may remain lighted after 11:00 P.M. in accordance with the Downtown Lighting Plan.

Comment [a3j3]: Insert official map # for Downtown community plan boundary.

(8) On properties which are adjacent to or contain sensitive biological resources, any exterior lighting shall be limited to low-level lights and shields to minimize the amount of light entering any identified sensitive biological resource areas.

(9) Prior to installation of an outdoor light fixture, an Electrical Permit shall be obtained when required in accordance with Section 129.0302. The applicant shall identify the proposed light fixture schedule to the satisfaction of the Building Official including the number of lumens and backlight, up light, glare rating for each fixture to demonstrate compliance with Section 142.0740.

~~(e) Outdoor lighting on commercial and industrial properties shall be equipped with automatic timing devices.~~

~~(d) Outdoor lighting fixtures that are existing and were legally installed before October 28, 1985, shall be exempt from Sections 141.0740(a) and (b), unless work is proposed over any period of time to replace 50 percent or more of the existing outdoor light fixtures or to increase the number of outdoor light fixtures by 50 percent or more on the premises.~~

~~(e) All outdoor lighting, including search lights, shall be turned off between 11:00P.M. and 6:00A.M. except:~~

~~(1) Outdoor lighting in conjunction with commercial and industrial uses that continue to be fully operational after 11:00P.M. such as sales, assembly, and repair may remain lighted after 11:00P.M., provided that all lights are shielded, equipped with automatic timing devices, and utilize only the minimum amount of light necessary to conduct such uses;~~

~~(2) Outdoor lighting used for security purposes or to illuminate walkways, roadways, equipment yards, and parking lots may remain lighted after 11:00P.M. where the lighting meets the following criteria:~~

~~(A) Where located within 30 miles of the Palomar Observatory or Mount Laguna Observatory, lighting fixtures below 4,050 lumens are permitted. Lighting fixtures above 4,050 lumens shall be limited to low pressure sodium or high~~

~~pressure sodium equipped with full cut off optics (fixtures with flat lenses that limit illumination to below the horizontal plane of the fixture or 0 percent up light). Where high pressure sodium lighting fixtures are proposed, a photometric study or lighting power density calculation of ground lighting levels shall be required to demonstrate that a 3 footcandle or 0.19 watts per square foot average will not be exceeded.~~

~~(B) — Where located 30 miles or more from the Palomar Observatory or Mount Laguna Observatory, lighting fixtures below 4,050 lumens are permitted. Lighting fixtures above 4,050 lumens shall be limited to low pressure sodium or high pressure sodium and equipped with cut off optics (fixtures that limit illumination to less than 2.5 percent up light).~~

~~(3) — Outdoor lighting used to illuminate recreational activities that are not in a residential zone may continue after 11:00P.M. only when equipped with automatic timing devices and shielded to minimize light pollution; and~~

~~(4) — Illuminated on premises signs for businesses that are open to the public after 11:00P.M. may remain lighted during business operating hours only. Illuminated off premises advertising display signs shall not be lighted after 11:00P.M. Signs located both on and off premises shall be equipped with automatic timing devices.~~

~~(5) — Outdoor lighting for automated teller machines and associated parking lot facilities and access areas shall be provided during hours of darkness in accordance with the California Financial Code Section 13040-13041. Lighting fixtures shall be directed or shielded so that light does not fall onto surrounding properties or create glare hazards within public rights of way.~~

~~(f) — On properties which are adjacent to or contain sensitive biological resources, any exterior lighting shall be limited to low level lights and shields to minimize the amount of light entering any identified sensitive biological resource areas.~~

~~(d) — In case of conflict between Section 142.0740(c) and the goals and objectives of the Downtown Lighting Plan, the Downtown Lighting Plan shall apply to all areas within the Downtown Community Plan boundary as designated on Map C-XXX.~~

~~(e) — Temporary outdoor lighting, including lighting for temporary uses, special events, and seasonal holiday lighting, may be exempt from Section 142.0740 where the lighting does not exceed 30 consecutive days during any one year period or create a light pollution nuisance or glare hazard.~~

Draft January 26, 2012

- ~~(e)~~(f) Outdoor lighting on facilities or lands owned, operated, controlled or protected by the United States Government, State of California, County of San Diego, City of San Diego, or other public entity or public agency not subject to City of San Diego ordinances is exempt from the requirements of this division. Voluntary compliance with the intent of Section 142.0740 is encouraged.

