



2025 California Title 24

Quick Reference Guide for Commercial Requirements

2025 California Title 24 covers nearly all interior and exterior lighting systems in commercial buildings, including parking areas, building site lighting, and spaces where the building owner is responsible. Lighting controls and submetering must comply with Sections 130.0 to 130.5.

Automatic ON/OFF Controls		
130.1(c) Shut-Off Control • All indoor lighting must be controlled by: • Automatic shut-off required using occupant sensors (≤20-minute delay), time-switch controls, or other automatic controls for spaces typically unoccupied. • Each floor must have separate lighting controls, except stairwells • Spaces up to 5,000 sq ft enclosed by ceiling-height partitions must have separate control zones • Countdown timer switches are allowed only in: • Closets <70 sq ft (max 10-minute timer) • Server aisles (max 30-minute timer) • Automatic time-switch controls (if used instead of occupancy sensors) must include: • A manual override limited to 2 hours • A holiday shut-off that turns lighting off for at least 24 hours before returning to the normal schedule • Occupancy sensors can be used in place of override	Required for the following space types: • All indoor lighting shall be equipped with controls able to automatically reduce lighting power • Specific spaces—offices ≤250 sq ft, multipurpose rooms <1,000 sq ft, classrooms, conference rooms, and restrooms—must use occupant sensors that shut lights off within 20 minutes of vacancy	Exceptions: • Healthcare facilities • Continuous illumination of up to 0.1 watts per square foot in any area designated for egress within a building is allowed • Electrical equipment rooms • Emergency lighting
130.5(d) Automatic Receptacle Control • In all buildings, both controlled and uncontrolled 120V receptacles shall be provided and meet the following • Auto-OFF functionality is required for controlled receptacles when a space is normally unoccupied, with: • Manual override up to 2 hours if controlled with a time switch • Proximity rule: Every uncontrolled receptacle must have a controlled receptacle within 6 feet, or a duplex outlet must include one controlled and one uncontrolled • Open office requirement: Each workstation in modular open-office furniture must have at least one controlled receptacle • Permanent labeling: Controlled receptacles must be clearly marked to distinguish them from uncontrolled ones • Hotel/motel requirement: At least half of all 120V receptacles in each guest room must be controlled • Controlled circuits must use captive key controls, occupancy sensors, or automatic shut-off so power turns off within 20 minutes after the room is vacated	Required for the following space types: • Private offices • Open office areas • Reception lobbies • Conference rooms • Kitchenettes • Copy rooms • Hotel/motel guest rooms	Exceptions: • Receptacles specifically for refrigerators and water dispensers in kitchen areas • Receptacles located a minimum of six feet above the floor that are specifically for clocks • Receptacles for network copiers, fax machines, A/V and data equipment other than personal computers in copy rooms • Receptacles on circuits rated more than 20 amperes • Receptacles connected to an uninterruptible power supply (UPS) that are intended to be in continuous use, 24 hours per day/365 days per year, and are marked to differentiate them from other uncontrolled receptacles or circuits

Manual Controls

130.1(a) Dimming Controls

- Each space shall be provided with lighting controls that allow the lighting in the space to be manually turned ON and OFF. The manual controls:
 - Must be easily accessible and apply to the area in which they're located
 - Other lighting controls may be installed that do not interfere with manual control
 - Located in same space or the status of the controlled lighting can be seen when operating controls

Required for the following space types:

- Most indoor areas

Exceptions:

- Areas that may use manual ON/OFF control not accessible to unauthorized personnel are: public restrooms having 2 or more stalls, parking areas, stairwells, corridors, and areas of the building intended for access or use by the public

Daylight Responsive Controls

130.1(b) Multi-Level Controls

- Multi-level lighting controls shall provide and enable continuous dimming from 100 percent to 10 percent or lower of lighting power

Required for the following space types:

- The general lighting of any space with a size of 100 square feet or larger, and with a connected general lighting load greater than 0.5 watts per square foot

Exceptions:

- An indoor space that has only one luminaire, restrooms, and healthcare facilities

Exterior Lighting Controls

130.2(c) Outdoor Lighting Controls

- Outdoor lighting controls shall be independently controlled from other electrical loads, and the controls for outdoor lighting shall meet the following requirements:
 - Automatic scheduling controls shall be installed for all outdoor lighting and be capable of reducing the outdoor lighting power by 50 to 90 percent, and separately capable of turning the lighting OFF, during scheduled unoccupied periods
 - Where bottom of luminaire is < 24 feet above grade, motion sensing controls shall be installed for following luminaires providing lighting:
 - General hardscape
 - Parking lots
 - Outdoor sales lots
 - Vehicle service station
 - Hardscape
 - Service station canopies
 - Sales canopies
 - Non-sales canopies
 - Automatic scheduling controls shall allow scheduling of a minimum of two nighttime periods with independent lighting levels, and may include an override function that turns lighting ON during its scheduled dim or OFF state for no more than two hours when an override is initiated
 - Motion sensing controls may be installed for outdoor lighting and in combination with other outdoor lighting controls

Required for the following space types:

- Non-residential and hotel/motel buildings

Exceptions:

- Signs
- Lighting for buildings facades, public monuments, public art, statues and vertical surfaces of bridges
- Lighting not permitted by a health or life safety statute, ordinance or regulation to be a cutoff luminaire
- Temporary outdoor lighting.
- Replacement of existing pole mounted luminaires in hardscape areas
- Luminaires that illuminate the public right of way including publicly-maintained or utility-maintained roadways, sidewalks and bikeways.
- Outdoor lighting attached to a hotel/motel building and separately controlled from the inside of a guest room

Exterior Lighting Controls

130.3(a) Sign Lighting Controls

- All sign lighting shall meet the following requirements:
 - Indoor signs shall be controlled with an automatic time switch control or astronomical time switch control
- Outdoor signs shall meet the following requirements as applicable:
 - All outdoor sign lighting shall be controlled with a photocontrol in addition to an automatic time-switch control, or an astronomical time-switch control
- All outdoor sign lighting that is ON both day and night shall be controlled with a dimmer that provides the ability to automatically reduce sign lighting power by a minimum of 65 percent during nighttime hours. Signs that are illuminated at night and for more than 1 hour during daylight hours shall be considered ON both day and night

Required for the following space types:

- Indoor and outdoor sign lighting

Exceptions:

- Outdoor signs in tunnels, and signs in large permanently covered outdoor areas that are intended to be continuously lit, 24 hours per day and 365 days per year

Demand Response

110.12(c) Demand Responsive Controls

- Nonresidential lighting systems shall be capable of automatically reducing lighting power in response to a demand response signal
- Controlled receptacles in spaces required to have controlled receptacles must be able to shut off all connected devices whenever a demand-response signal is issued

Required for the following space types:

- Nonresidential lighting systems subject to the requirements of Section 130.1(b) with a general lighting power of 4,000 watts or greater

Exceptions:

- Spaces where a health or life safety statute, ordinance, or regulation

Energy Monitoring

130.5(a) & 130.5(b) Service Metering & Disaggregation of Electrical Circuits

- Each electrical service shall have permanently installed user-accessible metering of total electrical energy use per Table 130.5-A
- Separation of electrical circuits for electrical energy monitoring
- Electrical power distribution systems shall be designed so that measurement devices can monitor the electrical energy usage of load types according to Table 130.5-B

Required for the following space types:

- Non-residential
- Multifamily Common Areas
- Hotel/Motel Buildings

Exceptions:

- Service or feeder for which the utility company provides a metering system that indicates instantaneous kW demand and kWh for a utility-defined period
- Electrical power distribution systems subject to California Electrical Code Article 517



2025 California Title 24 Standards

	130.1(a) Manual Controls 	130.1(b) Multi-Level Controls 	130.1(c) Shut-Off Controls 	130.5(d) Automatic Receptacle Controls 	130.2(c) Outdoor Lighting Controls 	130.3(a) Sign Lighting Controls 	130.4(b) Functional Testing 	110.12(c) Demand Responsive Controls 	130.5(a) & 130.5(b) Service Metering 
Product Solutions									
Occupancy Sensors	--	×	×	×	×	--	×	--	--
Vacancy Sensors	--	--	×	×	--	--	×	--	--
Photocells	--	×	--	--	×	×	×	--	--
Smart Wallbox Sensors	×	×	×	×	--	--	×	--	--
Smart Fixture Mount Sensors	--	×	×	×	×	×	×	--	--
Smart Ceiling Mount Sensors (CMS)	×	×	×	×	--	--	×	×	--
GreenConnect™ Wireless	×	×	×	×	--	×	×	--	--
GreenMAX® DRC Room Controls	×	×	×	×	--	×	×	--	--
Sapphire™	×	×	×	×	×	--	×	--	--
Intellect-Enabled Fixtures	--	×	×	×	--	--	×	--	--
EZ-MAX® H	×	×	×	×	×	×	×	--	--
GreenMAX®	×	×	×	×	×	×	×	×	--
Track Light Limiting Panel (TLLP)	--	--	--	--	--	--	×	--	--
Marked Controlled Receptacles	--	--	--	×	--	--	×	×	--
VerifEye™ Submetering Solutions	--	--	--	--	--	--	×	--	×

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