State Policy Goal:
Title 24 Part 6 is the cornerstone of the State of California’s energy efficiency strategic plan, which aims to achieve “Zero Net Energy” for new residences by 2020 and new non-residential buildings by 2030. This flowchart details the key elements of the code’s non-residential mandatory interior lighting and power requirements.

130.1(b) Multi-level
General lighting luminaires must be controlled per Table 130.1-A control step and uniformity criteria (which mandates dimming for LEDs).

130.1(d) Daylighting
When daylight illuminance > 150% of electric light, automatic daylight controls must reduce power by at least 15% of reducing total lighting power by at least 15%.

Four Basic Space Types
Wattstopper interprets code requirements as four basic space archetypes that require specific control treatment.

130.1(a) Area Control
All luminaires require manually switched on/off controls and all areas enclosed by ceiling height partitions must be independently controlled.

Specific Auto Off Requirements for Lighting and Other Electrical Loads

130.1(c) Auto Off
• Auto off for all interior lighting
• Separate controls per floor (except stairwells)
• Separate controls per 5,000ft²

Primary Exceptions:
• Full or partial off required areas

Primary Exceptions:
• 0.7W/ft² allowed for malls, atria, retail sales areas, commercial and industrial storage, work areas, and convention halls/annexes
• Authorized switch allowed for 2+ stalls

TYPE A
Use on/off switching of loads (non-dimming)

TYPE B
Use on/off switching with daylighting (dimming optional)

TYPE C
Dimmable

TYPE D
Dimmable with daylighting

130.4 Acceptance Testing and Certification
• Documentation that the system complies with relevant plans, specifications, and codes prior to final occupancy permit

130.5(b) Separation of Circuits
• Measurement devices can monitor electrical usage of load types
• 10% mixing per load type allowed

130.5(a) Metering
• Based on size of electrical service
  • ≤ 50 KVA
  • 50–250 KVA
  • > 250 KVA
• Enables measurement of energy use from a single point

Note: This infographic is for informational purposes only. Always refer to the code for specific requirements or contact your local Wattstopper representative.