### Commercial Lighting and Electrical Control Requirements

**Scope:** Control requirements for interior and exterior applications and electrical consumption, alteration of ≥ 50% luminaire replacement.

**Exceptions:** Commercial building dwelling units when ≥ 75% of lighting is high efficency, continuously lit security and emergency areas, stairwells or corridors for egress.

**IECC (2012)**

### Other Lighting Control Requirements

#### C405.2.1
**Manual Lighting Control**
- Choose between switching or dimming manual controls

#### C405.2.2
**Light Reduction Control**
- Choose between switching or dimming light reduction controls

#### C405.2.2
**Additional Lighting Control**
- Automatic off control shall follow occupancy sensor requirements or auto time switch control requirements

#### C405.2.2.2
**Occupancy Sensors**
- Required for the Following Space Types:
  - Class/lecture/training
  - Conference/meeting
  - Restaurant
  - Private offices
  - Spacious rooms ≥ 300ft²

#### C405.2.2.2
**Manual On or Partial Auto On**
- Manual control located inside area served
- Manual on or partial auto on ≤ 50% of lighting

#### C405.2.2.2
**Full Auto On**
- Full auto on only permitted for select spaces

#### C405.2.2.1
**Auto Time Switch Control**
- Override ≥ 2 hours
- Override > 2 hours with captive key switch

#### C405.2.2.3
**Daylight Zone Control**
- Step and calibration settings readily accessible
- Stepped dimming ≤ 35%
- Continuous dimming ≤ 50% of rated lighting power

#### C405.2.3
**Specific Application Control**
- Control independent from other lighting in the space

### Additional Efficiency Package

**C406.1**
Comply with one of the following:
1. More efficient HVAC performance
2. Efficient lighting system: The total interior lighting power of the building shall be determined by using the reduced interior lighting power allowances in Table C406.3
3. On-site renewable energy

### Lighting System Functional Testing

**C408.3**
Lighting control system functional testing is required. The party performing functional testing must be listed on the construction documents. Code official may require an independent party to provide functional testing and certify installed lighting controls meet provisions of Section C405.

Functional testing shall be performed to the following procedures:
1. Test occupancy sensors (C408.3.1.1)
2. Test auto time switch (C408.3.1.2)
3. Test daylight responsive (C408.3.1.3)

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

IECC is an acronym for the International Energy Conservation Code.