### Lighting Auto Off Control – Occupancy Sensor or Time Switch

**C405.2.1 Occupancy Sensor Controls**
- Lights auto off within 30 minutes (C405.2.1.1)
- Manual turn-off (C405.2.1.1.3)

**C405.2.1.1 Manual On or Partial Auto On**
- Manual on or partial auto on ≤ 50% power
- Full auto on or partial auto on for select spaces

**C405.2.1.2 Warehouse Aisle and Open Area**
- Automatically reduce lighting ≥ 50% when unoccupied

**C405.2.2 Time Switch Controls**
- Provide an manual override switch
- Override for ≥ 2 hours
- Control area ≤ 5,000 ft²

**C405.2.2.2 Manual Light Reduction Control**
- Uniformly dim or switch off ≥ 50% of lighting

**C405.2.2.3 Manual Lighting Controls**
- Readily accessible to occupants
- Controlled lighting is visible from manual control

**C405.2.3 Daylight Responsive Control**
- Provide evidence of dual lighting and daylight contribution
- Must continuously dim offices, classrooms, labs, library reading rooms to ≤ 50%
- Either continuous dimming or on/off control for all other space types
- Capable of complete lighting shut off
- Authorized calibration access within controlled space

**Other Lighting Control Requirements**

**C405.2.4.3 Hotel/Motel and Guest Suites**
- Master control device turns off all installed luminaires and switched receptacles within 20 minutes of occupants leaving

**C405.2.5 Exterior Lighting Controls**
- Auto off when daylight available
- Pedestrian landscape lighting auto off as a function of dusk/dawn and open/close time
- Reduce all other lighting ≥ 30% no later than midnight to 6AM, one hour after closing to one hour before opening, or when no activity is detected for > 15 minutes

**C405.2.6.3 Additional Efficiency Package**
- Comply with one of the following:
  1. More efficient HVAC performance
  2. Reduced lighting power density: Reduce to 90% of Table C405.4.2
  3. Enhanced digital lighting controls: Continuous dimming, individually addressable luminaires, daylight responsive, digital reconfigurable, load shedding, individual user control, digital occupancy sensor reconfigurable
  4. On-site renewable energy
  5. Dedicated outdoor air provision
  6. High-efficiency service water heating

**C408.3 Lighting System Functional Testing**
- Before final inspection, a registered design professional provides evidence that lighting controls have been tested, calibrated, adjusted, programmed, and are in working condition
- Test occupancy sensors (C408.3.1.1)
- Test auto time switch (C405.2.1.1.3)
- Test daylight responsive (C408.3.1.3)

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