### Wattstopper® Quick Guide to

# MICHIGAN ENERGY CODE (2015) Commercial Lighting and Electrical Control Requirements

**Scope:** Interior building spaces, exterior building features, exterior building grounds. Interior space lighting alterations where 50% or more of the connected lighting is altered. **Exceptions:** Emergency lighting off during normal operation, lighting within dwelling units, lighting required by health or life safety, gas lighting



### **Other Lighting Control Requirements**

## 9.4.1.2

#### Parking Garage Lighting Control

- Automatic lighting shut off per 9.4.1.1(i)
- Automatically reduce lighting ≥ 30% when no activity detected within 20 minutes and with the area controlled being no larger than 3,600ft<sup>2</sup>
- Covered vehicle entrances and exits have separate controls to reduce lighting ≤ 50% from sunset to sunrise
- Within 20ft of perimeter wall openings, automatically reduce lighting power in response to daylight

## 9.4.1.3(b)

#### Guestroom Control

Auto off all lighting and switched receptacles within 20 minutes of occupants leaving

#### Exceptions:

Lighting and switched receptacles controlled by a captive key system

#### Bathroom Control

Guestroom bathrooms have separate control to auto off bathroom lighting within 30 minutes of occupants leaving

#### **Bathroom Exceptions:**

Nightlights up to 5W per bathroom

# 9.4.1.4

#### **Exterior Lighting Controls**

- Auto off when daylight is available
- Façade, landscape lighting auto off no later than midnight or business closing and 6AM or business opening
- Reduce all other lighting and signage ≥ 30% no later than midnight or within one hour after business operations end to 6AM or business opening, or when no activity detected for > 15 minutes

#### Exceptions:

- Covered vehicle entrances or for safety, security, or eye adaptation
- Lighting integral to signage

### 9.4.3

#### **Functional Testing**

Lighting controls tested for proper calibration, adjustment, programming, and working condition

- Certify occupancy sensor parameters (see 9.4.3(a))
- Confirm and verify automatic time switch parameters (see 9.4.3(b))
- Verify daylight controls meet criteria (see 9.4.3(c))

Testing individual shall not be involved with project design or construction and must provide certifying document that lighting controls meet the performance criteria

Note: This infographic is for informational purposes only. Always refer to the code for specific requirements or contact your local Wattstopper representative. ASHRAE is an acronym for the American Society of Heating, Refrigeration, and Air Conditioning Engineers.

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