



Simplified Building Method—Lighting Compliance Checklist

2021 Oregon Energy Efficiency Specialty Code Compliance

This checklist can be used to demonstrate compliance with the Simplified Building Method, Section 9.3 of the Oregon Energy Efficiency Specialty Code (OEESC)/ASHRAE Standard 90.1 in either office buildings, retail buildings, or school buildings. This form is in addition to the *COMcheck* compliance report.

- Notes:
1. For the Simplified Building Method, the building shall be less than 25,000 ft².
 2. Lighting Compliance Checklist is not required to be submitted
 3. Certificate may show lighting results as “FAILS”
 4. Report must be for Building Area Method, not Area Category (Space-by-Space)

PART I – PROJECT INFORMATION

Title/Site/Permit name:

Floor area:

PART II – COMPLIANCE

Lighting power allowance: The total lighting power allowance (W/ft²) for the building shall be less than the allowance from Tables 9.3.1-1 through 9.3.1-3.

Building type: Select the building type, which shall not be less than 80% of the total building conditioned floor area.

- Office** Allowed lighting power: 0.70 W/ft²
- Retail** Allowed lighting power: 1.0 W/ft²
- School** Allowed lighting power: 0.70 W/ft²
- Garage** Allowed lighting power: 0.13 W/ft² (must be associated with occupancy listed above)

COMcheck Interior Lighting Compliance Certificate results:

Enter the specified results from the *COMcheck* Interior Lighting Compliance Certificate.

*No exemptions or allowances are permitted

1. Proposed Interior Lighting Power (Total) _____ Watts
2. Building floor area from *COMcheck* report: _____ ft²
3. Lighting Power Density (Total W /Floor Area): _____ W/ ft² (Divide line 1 by line 2)

* The Lighting Power Density must be less than the allowed lighting power for the building type as noted above.

Where an interior garage is provided, repeat the calculation: 1. _____ Watts 2. _____ ft² 3. _____ W/ft²

- Check if the proposed interior lighting power density does not exceed the Section 9.3.1 allowances.**

PART III – CONTROLS

Control requirements: For each of the building types under the simplified path, all light fixtures shall be controlled per the controls for the following space types. No lighting is excluded from control unless otherwise listed.

To demonstrate lighting control compliance, use the control checklist in accordance with the building type:

- For office buildings, use Part IIIA.
- For retail buildings, use Part IIIB.
- For school buildings, use Part IIIC.

III.A. OFFICE BUILDINGS—SIMPLIFIED BUILDING METHOD (TABLE 9.3.1-1)

Automatic controls—All spaces in an office building, other than parking garages, stairwells, and corridors, require automatic controls to turn off lighting when the building is either unoccupied or scheduled to be unoccupied, **except** that lighting loads not exceeding 0.02 W/ft² multiplied by the gross lighted area of the building shall be permitted to operate at all times.

Use the following checklist to demonstrate compliance with the lighting control requirements in each interior space type.

Interior Space Type	Controls (All lighting shall be controlled)	Location on the plans
<input type="checkbox"/> Office spaces ≤ 250 ft ² Classrooms Conference rooms Meeting rooms Training rooms Storage rooms Break rooms	<input type="checkbox"/> Automatic controls turn all lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads not exceeding 0.02 W/ft ² × gross lighted area operate at all times <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Manual-ON occupancy sensors	
<input type="checkbox"/> Office spaces > 250 ft ² Restrooms	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off. <input type="checkbox"/> Occupancy sensors (May be automatic ON)	
<input type="checkbox"/> Stairwells and corridors in office buildings	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted <input type="checkbox"/> Occupancy sensor to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes	
<input type="checkbox"/> Parking garages	<input type="checkbox"/> Automatic controls to turn lighting off during nonoperating hours. <input type="checkbox"/> Occupancy sensors to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes No device shall control more than 3600 ft ²	

IIIB. RETAIL BUILDINGS—SIMPLIFIED BUILDING METHOD (TABLE 9.3.1-2)

Automatic controls—All spaces in a retail building, other than parking garages, stairwells, and corridors, require automatic controls to turn off lighting when the building is either unoccupied or scheduled to be unoccupied, **except** that lighting loads not exceeding 0.02 W/ft² multiplied by the gross lighted area of the building shall be permitted to operate at all times

Use the following checklist to demonstrate compliance with the lighting controls requirements in each interior space type.

Interior Space Type		Controls (All lighting shall be controlled)	Location on the plans
<input type="checkbox"/>	Sales area	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied. OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off. <input type="checkbox"/> Manual-ON occupancy sensors.	
<input type="checkbox"/>	Stock rooms Dressing/fitting rooms Locker rooms Restrooms	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied. OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Occupancy sensors	
<input type="checkbox"/>	Office spaces Conference rooms Meeting rooms Training rooms Storage rooms Break rooms Utility spaces	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied. OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Manual-ON occupancy sensors, and continuous daylight dimming controls* in spaces with top lighting	
<input type="checkbox"/>	Stairwells and corridors in retail buildings and parking garages	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Occupancy sensors to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes	
<input type="checkbox"/>	Parking garages	<input type="checkbox"/> Automatic controls to turn lighting off during nonoperating hours. <input type="checkbox"/> Occupancy sensors to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes No device shall control more than 3600 ft ²	

* When the combined input power of the general lights completely or partially within the daylight areas is 150 W or greater.

IIIC. SCHOOL BUILDINGS—SIMPLIFIED BUILDING METHOD (TABLE 9.3.1-3)

Automatic controls—All spaces in a school building, other than parking garages, stairwells, and corridors, require automatic controls to turn off lighting when the building is either unoccupied or scheduled to be unoccupied, **except** that lighting loads not exceeding 0.02 W/ft² multiplied by the gross lighted area of the building shall be permitted to operate at all times.

Use the following checklist to demonstrate compliance with the lighting controls requirements in each interior space type.

Interior Space Type		Controls (All lighting shall be controlled)	Location on the plans
<input type="checkbox"/>	Classrooms Offices spaces Conference rooms Meeting rooms Library Storage rooms Break rooms	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Manual-ON occupancy sensors.	
<input type="checkbox"/>	Gymnasiums Cafeterias	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Occupancy sensors	
<input type="checkbox"/>	Restrooms	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Manual control device that allows the occupant to reduce lighting power by a minimum of 50% and to turn the lighting off <input type="checkbox"/> Occupancy sensors	
<input type="checkbox"/>	Stairwells and corridors in school buildings and parking garages	<input type="checkbox"/> Automatic controls to turn lighting off when building is unoccupied or scheduled to be unoccupied OR <input type="checkbox"/> Exception: Lighting loads do not exceed 0.02 W/ft ² × gross lighted area <input type="checkbox"/> Occupancy sensors to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes.	
<input type="checkbox"/>	Parking garages	<input type="checkbox"/> Automatic controls to turn lighting off during nonoperating hours. <input type="checkbox"/> Occupancy sensors to reduce the power by a minimum of 50% after no activity is detected for not longer than 20 minutes No device shall control more than 3600 ft ²	