



# Energy Code Compliance Guide: ASHRAE 90.1-2022

- Both NC & RM
- New Remodel (RM)
- New Construction (NC)

The chart below is an overview of the Code Requirements for Common Building Spaces. Please use this information as a guide. For specific code requirements please refer to the ASHRAE 90.1 2022 code.

	ON/OFF Control						Light Level Control			Additional Control		Exterior	
Application	Local (i.e. Switch) Control	Manual ON	Partial Automatic ON	Full Automatic ON	Automatic Partial OFF via Occupancy Sensor	Automatic Full OFF via Occupancy Sensor	Scheduled Shut-off & OFF during non-business hours	Bi-level Lighting Control	Automatic Day-light Responsive Controls for Side-lighting and Top-lighting	Parking Garage Lighting Power Set Back	Automatic Receptacle (i.e. Plug Load control)	Exterior Lighting Controls	
Code Detail	There shall be one or more readily accessible manual lighting controls in the space that controls all lighting in the space. Note: Remote locations permitted for reasons of safety or security.	None of the lighting in the space shall be automatically turned on.	The general lighting shall be allowed to be turned on automatically to 50% of the lighting power.	Automatically controlled spaces are allowed to turn on to full.	The general lighting power shall be automatically reduced by at least 50% within 20 minutes of all occupants leaving the space. Note: Full Off also complies.	All lighting shall be automatically shut off within 20 minutes of all occupants leaving the space.	All lighting shall be automatically shut off during periods when the space is scheduled to be unoccupied using a time-of-day operated control. Note: A signal from another automatic control device complies.	Controlled lighting shall have at least one control step between 30% and 70%, or continuous dimming, in addition to full on and full off.	If the general lighting load is $\geq 75W$ in the primary sidelighted or toplighted areas, or $\geq 150W$ in the primary & secondary sidelighted areas, the general lighting in these areas shall be controlled by multi-step or continuous dimming photocontrols.	Lighting power of each luminaire shall be automatically reduced by a minimum of 50% when there is no activity detected within a lighting zone for 10 minutes.	50% of all receptacles, and 25% of branch circuit feeders installed for modular furniture, shall be automatically turned off by an occupant sensor within 20 minutes of all occupants leaving the space. Note: A time-of-day schedule or a signal from another automatic control device complies.	9.4.1.4[a] OFF control 9.4.1.4[b] Daylight Shutoff 9.4.1.4[c] Scheduled OFF control	9.4.1.4[d] Scheduled light reduction control 9.4.1.4[e] Occupancy-sensing light reduction control
Code Address	9.4.1.1[a]	9.4.1.1[b]	9.4.1.1[c]	9.4.1.1	9.4.1.1[g]	9.4.1.1[h]	9.4.1.1[i], 9.4.1.1[j]	9.4.1.1[d]	9.4.1.1[e], 9.4.1.1[f]	9.4.1.2[b]	8.4.2	9.4.1.4[a,b,c]	9.4.1.4[d,e]
Space Type	9.4.1.1[a]	9.4.1.1[b]	9.4.1.1[c]	9.4.1.1	9.4.1.1[g]	9.4.1.1[h]	9.4.1.1[i], 9.4.1.1[j]	9.4.1.1[d]	9.4.1.1[e], 9.4.1.1[f]	9.4.1.2[b]	8.4.2	9.4.1.4[a,b,c]	9.4.1.4[d,e]
Enclosed Office, Copy / Print	■	■ ● OR ●	—	—	—	■	—	■	■	—	■	—	—
Open Office Plan	■	■ ● OR ●	—	■	—	■ ● OR ●	—	■	■	—	■	—	—
Conference, Meeting, Multi-purpose Room	■	■ ● OR ●	—	—	—	■	—	■	■	—	■	—	—
Classroom, Lecture Hall, Training Room	■	■ ● OR ●	—	—	—	■	—	■	■	—	■	—	—
Lobby	■	—	—	■	■	■ ● OR ●	—	■	■	—	—	—	—
Corridor, Egress	■	—	—	■	■	■ ● OR ●	—	■	■	—	—	—	—
Restroom	■	—	—	■	—	■	—	■	■	—	—	—	—
Non-exit Stairwell	■	—	—	■	■	■ ● OR ●	—	■	■	—	—	—	—
Gymnasium, Fitness Center	■	■ ● OR ●	—	—	—	■ ● OR ●	—	■	■	—	—	—	—
Warehouse, Storage Area	■	■ ● OR ●	—	—	■	■ ● OR ●	—	■	■	—	—	—	—
Parking Area (Garage Interior)	—	—	—	—	—	—	■	—	—	■	—	—	—
Exterior Lighting	—	—	—	—	—	—	—	—	—	—	—	■	■