



Energy Code Compliance Guide: IECC 2021

- 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 IECC code.

Application	ON/OFF Control								Daylight Control	
	Manual -ON or Auto-ON ≤ 50%	Full Auto-matic-ON	Manual Control (Local Switch)	Auto-Reduce Light Level via Occupancy	Time-Switch Controls (via System Controller)	Full Auto-to-OFF via Occupancy Sensor	Light Reduction Controls	Automatic Receptacle Control	Daylight Responsive Controls	
Code Detail	Automatically controlled spaces must be controlled to automatically turn the lighting on to not more than 50% power.	Automatically controlled spaces are allowed to turn on to full.	Areas with occupant sensors shall incorporate a manual control to allow occupants to turn fixtures off.	Occupancy sensors shall automatically reduce lighting.	Each area not provided with occupant sensor controls shall be provided with time switch controls.	Fixtures must automatically turn off within 20 minutes of all occupants leaving the space.	Spaces shall have a manual control that allows the occupant to reduce the connected lighting load uniformly by not less than 50%.	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.	Daylight responsive controls shall be provided.	
Code Address	C405.2.1.1.2	C405.2.1.1, exception	C405.2.1.1.3	C405.2.1.2.2 C405.2.1.3.4 C405.2.1.4 C405.2.7.3.2 C405.2.8.1	C405.2.2.1 C405.2.7.2 C405.2.7.3.1.1 C405.2.7.3.1.2	C405.2.1.1.1 C405.2.7.3.1.3	C405.2.3.1	C405.11.1	C405.2.4.1 C405.2.4.2 C405.2.7.1 C405.2.8.2 C405.2.8.3	
Space Type										
Enclosed Office, Copy / Print/ Open Office ≤300 S.F.	■	—	■	—	—	■	—	■	■	
Open Office ≥300S.F.	—	■	—	■	■ OR ●	■	—	■	■	
Conference, Meeting, Multi-purpose Room	■	—	■	—	—	■	—	■	■	
Classroom, Lecture Hall, Training Room	■	—	■	—	—	■	—	■	■	
Lobby	—	■	—	—	■	● OR ●	✕	—	■	
Corridor	—	—	—	■	● AND ●	● OR ●	—	—	—	
Restroom	—	■	—	—	—	■	—	—	—	
Non-exit Stairwell	—	■	—	—	■	● OR ●	✕	—	—	
Gymnasium	■	—	■	—	—	■	—	—	■	
Warehouse	—	■	■	■	■	● OR ●	—	—	■	
Locker Rooms, Storage Rooms, Janitor Closet	—	■	—	—	—	■	—	—	—	
Lounges, Break Rooms	—	■	—	—	—	■	—	—	—	
Parking Garage	—	—	—	■	■	● OR ●	—	—	■	
Site/ Parking /Pkg Garage Roof	—	—	—	■	● OR ●	—	—	—	■	
Facade/ Landscape	—	—	—	—	■	■	—	—	■	

✕ Light reduction control required in conjunction with time-switch control where occupancy sensors are not provided