

National Energy Code of Canada Buildings - 2017

		Atrium	Classroom, Lecture Hall, Training Room	Conference, Break Room	Corridor ²	Guestroom	Lobby	Open Office (>270 sq. ft.)	Parking Garage ⁶	Private Office (<270 sq. ft.)	Restaurant/ Cafeteria, Retail	Restroom	Stairwell ²	Storage Room	Warehouse and Library Stacks ³	Façade/ Landscape	Other Exterior ⁴	
Manual Control	Switch				●	●	●		●			●		●				
	Dimmer or scene control	●	●	●				●		●	●		●		●			
Automatic ON/OFF Control	Timeclock	●			●		●	●	●		●		●		●	●	●	
	Occupancy sensor	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●	
	Settings	Full ON				●		●		●			●				●	●
		Partial ON	●	●	●			●		●	●			●	●			
		Manual ON	●	●	●		●	●		●	●			●	●			
		Full OFF	●	●	●		●	● ⁵	●	●	●	●	●		●	●	●	●
		Partial OFF				●				●				●				●
Other	Daylight responsive control	●	●	●	●	●	●	●	● ⁷	●	●	●	●	●	●	●	●	
	Receptacle control																	
	Demand response																	

- All lighting controls recommendations are shown as a summary of the actual energy code. For further detail, the formal energy code will need to be referenced.
- To comply with some life safety code requirement for egress illumination, automatic full OFF is not suggested. For non-egress areas, the occupancy sensor should turn the lights to full OFF and a switching control may be used.
- When typically occupied, the occupancy sensor provides partial OFF functionality with scheduled full OFF. When typically unoccupied, the sensor provides full OFF functionality
- Astronomical timeclock shall ensure light levels are automatically reduced by at least 30%
- Full off required in most lobby scenarios. Partial off required for performing arts theatres and residence lobbies.
- Garage shall be divided into zones no larger than 360m². Sensor to provide at least 30% reduction in light level upon vacancy.