



nLight® Quick Reference Guide for New York City 2025 Energy Conservation Code Commercial Lighting and Electrical Control Requirements

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 2025 New York City Energy Conservation Code (2025 NYCECC).

About this guide: The scope of this guide includes lighting controls for interior and exterior applications, as required for new construction, additions, and alterations that replace $\geq 10\%$ of the luminaires in a space.

Exceptions: Continuously lit security or emergency areas; interior exit stairways and ramps, and exit passageways; emergency egress lighting that is normally off.

Control Requirement*	Code Provision	Code Summary*	Indoor Space Type											Outdoor Space Type			
			Enclosed Office, Copy / Print, Open Office <300ft ²	Conference, Meeting, Multipurpose Room	Classroom, Lecture Hall, Training Room	Gymnasium	Non-Exit Stairwell	Open Office >300ft ²	Lobby	Corridor	Restroom	Warehouse	Data Centers	Parking Garage	Site, Parking Area	Facade and Landscape	
Manual-On or AutoOn $\leq 50\%$	C405.2.1.1.2	Automatically controlled spaces must be controlled to automatically turn the lighting on to not more than 50% power.	✓	✓	✓	✓								✓			
Full Automatic-On	C405.2.1.1, exception	Automatically controlled spaces are allowed to turn on to full.					✓	✓	✓			✓	✓				
Manual Control (Local Switch)	C405.2.1.1.3	Areas with occupant sensors shall incorporate a manual control to allow occupants to turn luminaires off.	✓	✓	✓	✓							✓	✓			
Auto Reduce Light Level via Occupancy	C405.2.1.2.2 C405.2.1.3.4 C405.2.1.4 C405.2.7.3.2 C405.2.8.1	Occupancy sensors shall automatically reduce lighting.						✓			✓		✓		✓	✓	
Time-Switch Controls (via System Controller)	C405.2.2.1 C405.2.7.2 C405.2.7.3.1.1 C405.2.7.3.1.2	Each area not provided with occupant sensor controls shall be provided with time switch controls and programmed such that the Lighting is OFF at least 12hrs in any 24hr period.						✓	✓	✓	✓		✓	✓	✓	✓	✓
Full Auto-Off via Occupancy Sensor	C405.2.1.1.1 C405.2.7.3.1.3	Luminaires must automatically turn off within 15 minutes of all occupants leaving the space.	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Dimming Controls	C405.2.3	Continuous dimming from full output down to 10% or less plus off, with a manual control in the space.	✓	✓	✓	✓	✓	✓	✓				✓				
Automatic Receptacle Control	C405.12	50% of all receptacles, and 25% of branch circuit feeders installed for modular furniture, shall be automatically turned off by occupancy sensor, time schedule, or signal from another automatic system capable of shutting off within 15 minutes.	✓	✓	✓					✓							
Daylight-Responsive Controls	C405.2.4 C405.2.4.1	Daylight-responsive controls are required to have a primary and secondary daylight zones. Spaces < 250 ft ² do not require daylight-responsive controls.	✓	✓	✓	✓				✓	✓		✓		✓	✓	✓

Automated Demand Response (ADR) requirement for load controllers or networked LLLC to dim connected loads on demand

Automated Demand Response (ADR), Energy Metering requires network connection for either controller, such as the nLight Eclipse™, for an external or internal VTN.

Notes:

1. This summary is for general information purposes only and is provided without any warranty as to accuracy, completeness, or otherwise. The user should read the applicable code sections for more complete and detailed descriptions of code requirements and exceptions and should consult with a professional engineer or other competent advisor before making any decision or taking any action based on this summary.
2. There is a requirement for the NYC Local Law 88 to be in compliance with Local Law 97.

