

2. Take one electric current measurement for each selected circuit.
3. Simulate a demand response condition using the demand responsive control.
4. Take one electric current measurement for each selected circuit with the electric lighting system in the demand response condition.
5. In each space, the electric current in the demand response condition must not be less than 50% or the electric current in the minimum output condition, whichever is less.

EXCEPTION: Circuits that supply power to the daylight portion of enclosed spaces as long as lighting in non-daylit portions of the enclosed space.

NA7.7 Lighting Control Installation Requirements

Lighting control installation inspection shall be performed on:

Lighting control systems installed to comply with Section 110.9(b).

- (a) Energy Management Control System installed to comply with Section 130.5(f)1.
- (b) All line-voltage track lighting integral current limiters in accordance with Section 110.9 and Section 130.0.
- (c) All dedicated line-voltage track lighting supplementary overcurrent protection panels in accordance with Section 110.9 and Section 130.0.
- (d) Interlocked lighting systems serving an area in accordance with Section 140.6(a)1.
- (e) Lighting controls installed to earn a Power Adjustment Factor (PAF) in accordance with Section 140.6(a)2.
- (f) Lighting for a Videoconferencing Studio in Accordance with Exception to Section 140.6(c)2Gvii.

NA7.7.1 Lighting Control Systems Installed to Comply with Section 110.9(b)

NA7.7.1.1 Installation Inspection

If a lighting control required by Title 24, Part 6 is a field assembled system consisting of two or more components, verify the system components meet all of the requirements for each lighting control type, in accordance with Section 110.9, On the approved installation compliance form, identify, list, and verify each type of lighting control system as follows:

- (a) Separately identify and list each type of lighting control system. When there are identical lighting control systems in a single building, identical lighting control system may be listed together.
- (b) Identify and list all requirements for the type of self-contained lighting control device for which the lighting control system is installed to function as, in accordance with Section 110.9 and in accordance with the Title 20 Appliance Efficiency Regulations.
- (c) Verify the lighting control system complies with all of the applicable requirement as listed.
- (d) If the lighting control system does not meet all applicable requirements, the installation fails.

NA7.7.2 Energy Management Control System (EMCS) Installed in Accordance with Section 130.1(f)

NA7.7.2.1 Installation Requirements

- (a) The EMCS shall be separately tested for each respective lighting control system for which it is installed to function as.

- (b) List and verify functional compliance with all applicable requirements in accordance with Sections 130.1 through 130.5.
- (c) If applicable, list and verify functional compliance with all applicable requirements for all applications for which the EMCS is installed to function as, in accordance with Section 140.6.
- (d) If applicable, list and verify functional compliance with all applicable requirements for all applications for which the EMCS is installed to function as, in accordance with Section 140.7.
- (e) If applicable, list and verify functional compliance with all applicable requirements for all applications for which the EMCS is installed to function as, in accordance with Section 150(k).

NA7.7.3 Track Lighting Integral Current Limiter

NA7.7.3.1 Certification requirements

- (a) Verify that the track lighting integral current limiter is certified to the Energy Commission in accordance with Section 110.9 by checking the Energy Commission database. If the track current limiter has not been certified to the Energy Commission, this method for determining installed lighting power shall not be used for compliance with Title 24, Part 6, and the installation test shall be terminated.

NA7.7.3.2 Installation Inspection

Verify and document the following on the approved installation compliance form:

- (a) The track current limiter is used exclusively on the same manufacturer's track for which it is designed.
- (b) The track current limiter is designed and installed so that the track current limiter housing is permanently attached to the track so that the system will be irreparably damaged if the integral track current limiter housing were to be removed after installation into the track. Methods of attachment may include but are not limited to one-way barbs, rivets, and one-way screws.
- (c) The track current limiter has identical volt-ampere (VA) rating of the track current limiter, as installed and rated for compliance with Title 24, Part 6, clearly marked as follows:
 - 1. So that it is visible for the building officials' field inspection without opening cover-plates, fixtures, or panels.
 - 2. Permanently marked on the circuit breaker.
 - 3. On a factory-printed label that is permanently affixed to a non-removable base-plate inside the wiring compartment.
- (d) The track current limiter employs tamper resistant fasteners for the cover to the wiring compartment.
- (e) The track current limiter has a conspicuous factory installed label permanently affixed to the inside of the wiring compartment warning against removing, tampering with, rewiring, or bypassing the device.
- (f) Each electrical panel from which track lighting integral current limiters are connected has a factory printed label permanently affixed and prominently located, with the following information: "NOTICE: Current limiting devices installed in track lighting integral current limiters connected to this panel shall only be replaced with the same or lower amperage. Adding track or replacement of existing current limiters with higher continuous ampere rating will void the track lighting integral current limiter certification, and will require re-submittal and re-certification of California Title 24, Part 6 compliance documentation."
- (g) For installations where a total of five or less track current limiters are installed in a single building, all integral track current limiters shall be inspected. For installations where a total of more than five track current limiters are installed in a single building, no less than five track current limiters shall be inspected, up to five inspections for each 20 installed track current limiters.