



Standard for  
**Installing Indoor Commercial  
Lighting Systems**

**NEIS**



Published by  
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Contractors Association



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Illuminating Engineering  
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OR

National Electrical Contractors Association  
3 Bethesda Metro Center, Suite 1100  
Bethesda, Maryland 20814  
(301) 657-3110

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IHS  
15 Iverness Way East  
Englewood, CO 80112-5704 or call  
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# 1. Scope

## 1.1 Products and Applications Included

This standard describes installation procedures for lighting systems commonly used in commercial and retail buildings, including but not limited to the following:

- 1) Recessed lighting systems such as troffers, downlights, wallwashers, valance lights, and accent lights
- 2) Ceiling surface-mounted lighting systems such as surface troffers, wraparounds, surface downlights, monopoints, and decorative fixtures
- 3) Ceiling-suspended lighting systems such as pendant luminaires, warehouse or industrial luminaires, uplight systems, or decorative luminaires
- 4) Wall-mounted lighting systems such as sconces or wallpacks
- 5) Track lighting systems

## 1.2 Products and Applications Excluded

While this standard generally covers most industrial lighting systems, the following are specifically excluded:

- 1) Lighting systems supported and installed from industrial lighting track or wireway systems
- 2) Low voltage lighting systems in which the transformer is not integral to the luminaire and secondary wiring is required
- 3) Lighting systems designed for showcases, refrigerated cases, and other special conditions
- 4) High voltage lighting systems such as neon or cold cathode

- 5) Outdoor lighting systems including site or roadway lighting
- 6) Portable lighting

## 1.3 Related Construction Materials

In addition to the luminaire(s) proper, this standard includes related construction materials including lamps, conduit, wire, various special screws and clips, and structural suspension components.

## 1.4 Regulatory and Other Requirements

- a) All information in this publication is intended to conform to the National Electrical Code (ANSI/NFPA 70). Installers should always follow the NEC, applicable state and local codes, manufacturer's instructions when installing indoor commercial lighting systems.
- b) Only qualified persons familiar with the construction and installation indoor commercial lighting systems should perform the work described in this publication. It is recommended that all work be performed in accordance with NFPA 70E, *Standard for the Electrical Safety in the Workplace*.
- c) General requirements for installing electrical products and systems are described in NECA 1, *Standard Practices for Good Workmanship in Electrical Contracting* (ANSI). Other *National Electrical Installation Standards* provide additional guidance for installing particular types of electrical products and systems. A complete list of *NEIS* is provided in Annex D.