

Design | Components of Lighting Design

Table 12.5 | Official Lighting Directives

Administrator	Relevant Directive(s)	Exemplary Document(s) and/or Citations ^a
ASHRAE American Society of Heating Refrigerating and Air Conditioning Engineers	• Energy Standards	• ANSI/ASHRAE/IESNA Standard 90.1 • ANSI/ASHRAE/IESNA Standard 189.1
ASME American Society of Mechanical Engineers	• Elevator/Escalator Codes	• ASME A17.1/CSA B44
CaGBC Canada Green Building Council	• Sustainability Initiative	• Leadership in Energy and Environmental Design (LEED)
CCNNIE Comité Consultivo Nacional de Normalización de Instalaciones Eléctricas	• Electrical Code	• NOM-001-SETE-2005 Mexican Electrical Code (MEC)
CONAE Comisión Nacional para el Ahorro de Energía	• Energy Code	• NOM-007-ENER-2004 Mexican Energy Efficiency Standard
CSA Canadian Standards Association	• Electrical Code	• Canadian Electrical Code (CEC)
	• Product Standards	• Safety requirements for luminaires, lamps, control gear
ICC International Code Council	• Building Code	• International Building Code (IBC)
		• International Energy Conservation Code (IECC)
		• International Green Construction Code (IGCC)
NFPA National Fire Protection Association	• Electrical Code	• National Fire Protection Association (NFPA) 70
	• Health Care Facilities	• NFPA 99
	• Life Safety Code	• NFPA 101
NRC National Research Council Canada	• Building Code	• National Building Code of Canada
	• Energy Code	• Model National Energy Code of Canada for Buildings (MNECB)
UL Underwriters Laboratories	• Product Standards	• Safety requirements for luminaires, lamps, control gear
USDOJ U.S. Department of Justice	• Accessible Design Standards	• Americans with Disabilities Act (ADA)
USGBC U.S. Green Building Council	• Sustainability Initiative	• Leadership in Energy and Environmental Design (LEED)
Various	• Municipal Ordinances	• Light pollution and/or light trespass requirements • Exterior illuminances
	• State/Provincial/Territorial Codes	• Energy standards • Life safety codes

a. Directives are continually updated. Use the most current directive or that required of the client or jurisdictional building authority.

certification programs. A review of all such applicable official directives with the team's registered professionals is always in order early in project planning. New directives are introduced from time to time and most directives change regularly, so a periodic review is recommended.

These and other directives establish specific lighting criteria that must be accommodated by the lighting design. From time to time, federal mandates with lighting-related provisions are declared and these, too, must be accommodated. See Chapter 41 | EMERGENCY, SAFETY, AND SECURITY.