



Chapter 8 Outline

Basic Definitions
Light Sources
 Natural Light
 Artificial Light
Lighting System Design
 Design Factors
Lighting System Maintenance
 Cleaning Luminaires and Lamps
 Replacing Lamps
Energy Conservation Opportunities
 Life Cycle Cost Estimating

Competencies

1. Define basic lighting terms, explain how natural light can be used to meet a building's lighting needs, and describe common artificial light sources. (pp. 293–301)
2. Describe the following lighting system design elements: light levels, luminaires, color rendition, safety, and emergency lighting. (pp. 301–307)
3. Describe lighting system maintenance and identify energy conservation opportunities. (pp. 308–312)