

# Efficient Lighting



This one-day course will cover the fundamental principles of energy efficiency in lighting. Participants will learn about the principles of efficient lighting, including evaluating the levels, quality and maintenance of lighting. The training program will also present lighting technologies and lighting control technologies, common energy efficiency measures, options for making improvements and upgrades, as well as strategies for lighting management.

## Topics Covered

- Luminous flux and illuminance
- Colour rendering index and color temperature
- Lighting technologies and light source efficacy
- Amount of light required for specific applications
- Lighting standards (e.g., IESNA and ASHRAE)
- Lamp rated life
- Lamp lumen depreciation
- Lighting maintenance principles
- Efficient lighting system design methods
- Coefficient of utilization
- Room cavity ratio
- Photometric chart
- Lighting audit
- Lighting control technologies
- Energy efficiency measures for lighting
- Case studies of efficient lighting

## Target Clientele

This short thematic course is ideal for the following audience:

- Owners and executives of commercial and industrial enterprises
- Leaders of governmental services or public services bodies in charge of material resources and energy management
- Leaders and project managers of engineering consulting firms or professional consultants offering expert services in energy efficiency
- Leaders and project managers of architecture offices implementing lighting projects
- Heads of engineering departments or managers in charge of material resources management in public, commercial, institutional and industrial buildings



## Logistics

CEUs: 0.7

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