

Certified Lighting Professional (CLP) Workshop

Days: **2 Days** | Course Fee: **USD 950**



Course Description

The Certified Lighting Professional (CLP) program is an advanced capability-building curriculum designed to develop expertise in lighting systems, lighting audits, efficiency measures, lighting design, and lighting management.

The program covers fundamentals of illumination engineering, advanced lighting

technologies, lighting controls, photometry, human-centric lighting, and energy-efficient retrofit strategies.

Participants will learn to assess, design, optimize, and manage lighting systems for commercial, industrial, hospitality, healthcare, street lighting, and residential environments.

What You Will Learn

By completing this program, you will learn:

- Fundamentals of illumination & photometric principles
- Lighting technologies: LED, Fluorescent, HID, OLED, smart lighting
- Lighting system auditing & retrofit assessment
- Lighting design, layout, and simulation tools
- Human-centric lighting & visual comfort requirements
- Lighting controls, sensors, and automation

- Standards and lighting codes (IES, CIBSE, EN, local authority guidelines)
- Calculating lighting loads, lux levels & lighting power density (LPD)
- Lighting for specialized environments: hospitals, airports, industrial plants, parks
- Energy saving strategies & financial evaluation
- Best practices for green building certification support (LEED, GSAS, BREEAM)

Who Should Attend?

- Energy engineers & auditors conducting lighting audits
- Facility & maintenance managers
- Interior designers & lighting designers
- ESCO professionals performing lighting retrofits
- Electrical engineers & MEP designers
- Contractors, suppliers & lighting solution providers
- Sustainability specialists & green building consultants
- Students & professionals entering the lighting industry

Course Modules

Course Content (Teaching Modules)

Module 1:	Introduction and Lighting Fundamentals
Module 2:	Lighting Technologies
Module 3:	Lighting Audits & Assessment
Module 4:	Lighting System Design
Module 5:	Controls & Automation
Module 6:	Specialized Lighting Applications
Module 7:	Energy Saving Measures & Economics
Module 8:	Codes, Standards & Green Rating Systems