



Certified Lighting Efficiency Professional

An Industry Recognized Certification for Energy Efficiency and Facility Management Professionals.

Who are Certified Lighting Efficiency Professionals?

- Are you an energy manager that leads, plans, coordinates, and manages energy efficiency improvement projects?
- Are you a technical or operations engineer responsible for reducing your building's or facility's energy use and utility costs?
- Are you a consultant specializing in the energy efficiency of plants, manufacturing, or industrial facilities?

Lighting efficiency professionals understand a building's lighting requirements based on the occupancy and use of a given space, whether the application is illuminating a new building or retrofitting existing buildings to the most current lighting technologies. They measure, verify, and evaluate lighting efficiency projects, including the human-factor implications, technologies, and financial incentives to compare savings against other energy efficiency projects and identify ROI.



What does the Certified Lighting Efficiency Professional (CLEP®) Certification Program offer?

This program helps educate and qualify individuals involved in lighting projects for buildings and facilities. By obtaining the CLEP certification, candidates gain industry and peer recognition by demonstrating their understanding of technologies, principles and practices. The program raises the professional standards, both technical and ethical, of those engaged in this area across business and industry.

What is the bottom line for me or my company?

Gaining a wide-reaching and industry-recognized certification is always a personal and financial investment. Individuals report career improvements in the form of salary and responsibility increases. The certification shows individuals hold a fundamental understanding of the profession and a commitment to the highest standards of quality. Companies, and organizations with a CLEP on-staff often realize lower energy costs. Consultants see a higher affinity with their customers because CLEPs demonstrate understanding of the market, the factors that influence energy efficiency, lighting requirements and help gain potential energy cost savings.

aeecenter.org/clep

What functional areas does the CLEP® Certification Program cover?

The certification program requires fundamental knowledge across several core principles and practices specific to energy procurement. These include:

- Language of Light and Lighting Efficiency
- Lighting Quantity and Quality Fundamentals
- Color, Visibility and Health
- Traditional Light Source Lamps and Ballasts and their Operating Characteristics
- LED Technology and its Operating Characteristics
- Lighting Maintenance and Environmental Safety
- Lighting Controls
- Lighting Audits
- Lighting Photometrics, Reports and IES files
- Lighting Calculations
- Financial Analysis Metrics and Calculations

How do I become eligible for AEE's CLEP® certification?

Every certification program offered by AEE is defined by strict standards to ensure the program maintains its industry-wide recognition and credibility. To that end, AEE stipulates three criteria that all CLEP candidates must meet. Firstly, applicants must have relevant experience or educational credentials (see below). Secondly, candidates must undergo a defined training program that aligns with the fundamental knowledge base of the program, and the principles and practices of the industry as a whole. Thirdly, candidates must pass the associated exam to demonstrate their technical knowledge, proficiency, and abilities with effective lighting solutions and current technologies.

Experience & Education

Applicants must meet one of the following eligibility criteria:

- Hold a 4-year engineering or architectural degree OR Professional Engineer (PE), Registered Architect (RA) and 3+ years related* work experience.
- Hold a 4-year degree in business and 5+ years related* work experience.
- Hold a 2-year associate degree and 5+ years related* work experience.
- Have 10+ years related* work experience
- Be a current Certified Energy Manager (CEM®).

*Related experience in lighting efficiency.

Why would I want to take a training program when I believe I already have the knowledge and experience required to pass an exam?

A CLEP training program provides more value than only preparing individuals to take the associated exam. It brings all candidates to a base level of understanding across a wide variety of energy supply and procurement topics.

For those entrenched in their normal daily activities, attending a training program, held away from the office, in a classroom environment can be a catalyst for improvement and change. For many, the chance to network, connect, and learn from other like-minded individuals is incredibly valuable.

I obtained my CLEP® Certification, where do I go next?

The CLEP certification can help define your status as an energy professional and help progress your career. Once complete, make sure you maintain your account and keep track of your certification on aeecenter.org. You can also keep up to date on energy management practices and technologies by joining your local AEE Chapter. Energy professionals continuously tell us that they stay ahead in the industry by getting involved in their local community.

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