COURSE OVERVIEW

Course Title	**LIGHTING – BASIC UNDERSTANDING**
Course Aim	Lighting and lighting controls are the most common areas when considering energy efficiency actions. This course will raise participants' understanding of the lighting systems commonly found in the UK and their general uses.
Course Description	The course will guide participants in how to be generally more energy efficient with respect to lighting systems and also help participants to engage at a higher level with lighting suppliers who may be presenting them with information. This can quite often be complicated and misleading and hopefully this course will help participants at least understand what may be put in front of them.
Course Outcomes	The course will help you to: • Understand basic measurements for lighting output and efficacy to help participants gain knowledge to be able to engage with lighting companies • Identify and understand the common types of lighting currently found in the UK, their general uses and basic, pros and cons • Understand the basic process for new lighting installations and upgrades with pictorial examples • Understand basics of lighting design using free software to help participants be able to understand what information lighting companies may present them with • Identify basic lighting control systems that can increase energy efficiency while maintaining required light levels and safe environments
Course Structure and Features	This course is to be delivered as a 1 day workshop. The course structure outlined below is indicative as some sections may be amended to assure the best outcomes for participants. Participants are encouraged to contribute with their own experiences and examples. The course material such as slide pack, case studies and course activities and any other necessary information will be issued by the course tutor at the beginning of the course and throughout. Course Structure: 1. Basic lighting measurements & calculations

	2. General forms of lighting 3. External lighting 4. Basic lighting design 5. Lighting controls
Who Should Attend the Course	This course is aimed at those who manage energy use in buildings and are exploring lighting technology and control systems. This course is aimed also at those who are new to energy management or interested in learning about the use of lighting, its control and optimisation. As a guide, participants with the following job titles may be appropriate for the course: • Energy trainees • Energy Engineers / Managers • Environmental Engineers / Managers • Sustainability Professionals
Prerequisites	The minimum requirements for admission are: • Educated to degree standard or equivalent business based energy management experience. • For those whose first language is not English, and who have not undertaken a course of study where the principal medium of instruction is English, certificate of competency in one of the standard language tests (e.g. IELTS, TOEFL) will normally be required.
Further Information	Post course assessment: After the course, participants will be required to complete an assessment to test their knowledge, understanding, and application of the contents covered in this course. Certification: Participants who complete and pass the assessment will receive a certificate including 5 hours of Continuing Professional Development (CPD) recognition.
Other Related Training Courses	Monitoring, Targeting and Validation Energy Management in Building Services Energy Auditing Techniques