

# Principle of Lighting Technology and DIALux Hands On



**EARLY BIRD  
FEE**

\*until  
10 Nov 2019

**RM 799**  
Member

**RM 1199**  
Non Member

**CPD**  
GreenRE  
IEM, LAM  
ST

**HRDF  
Claimable**

## Overview

The course is to provide an individual with an understanding of Lighting Principles and its Technology. The individual would be guided for Lighting Design Applications and the use of DIALux as a Lighting Design Tool.

## Goals

1. A precise course to become a lighting knowledgeable individual
2. Understand of quality lightings and its components
3. Understand lighting design processes and tools
4. Perform lighting designs based on need applications

**Venue**

**Wisma REHDA  
Petaling Jaya  
Selangor**

**Date**

**26<sup>th</sup> & 27<sup>th</sup>  
November  
2019**

**Reach us: [training@greenre.org](mailto:training@greenre.org)**

# Course Outline

## Section 1: Principles of Lighting

This section assumes some basic knowledge of lighting but a review will set the scene for the rest of the course content. A complete understanding of several important criteria in this subject area is crucial to understanding the application of lighting design.

- Daylighting and Lighting Principles
- Lighting Languages, Terms and Units
- Quality Characteristics of Lighting
- Human Centric Lighting

## Section 2: Lighting Technology

Provides the physical breakdown of a luminaire, components and available Lighting Control System. With understanding of components selection and systems available, the lighting design processes in the following sections would be well understood.

- Types of Lighting and Installations
  - Lamps and Luminaires
  - Lighting Components
- Lighting Control Systems
- Lighting Protection Classes

## Section 3: Lighting Design Introduction

Provides an understanding of lighting design criteria which is to be used for a particular space. The process and tools would then be used to achieve the particular design needs.

- The Art and Science of Lighting Design Principles
- Lighting Design Tools
- Lighting Design Process

## Section 4: Lighting Design using DIALux

Individuals during this section would be thought on using DIALux as a lighting design tool. From learning through the four (4) collections, the individual would be able to design, generate outputs and optimize lightings according to the needs of themselves or clients.

### Collection 1

- Basic Settings and User Interfaces
- Planning of Spaces

### Collection 2

- Creating spaces and rooms
- Importing CAD drawings (DWG, DXF)
- Inserting building elements

### Collection 3

- Inserting furniture and objects
- Placing colours and textures

### Collection 4

- Inserting and arranging luminaires
- Calculation and overview of results
- Configuration of Output Results
- Interpretation of results to Clients

## KEYNOTE SPEAKER

# Principle of Lighting Technology and DIALux Hands On

# DON CHEW

Founder of Sense Advisory and Luminance Systems

Don Chew is the founder of Sense Advisory, engineering consultancy firm and Luminance Systems, a lighting design and manufacturing organization. As having more than 12 years' of experience in consulting and lighting technologies, he had provided ideas and design expertise for various private corporations, engineering consulting, architecture and interior design firms. The Speaker and his team under Sense Advisory, had provided their lighting design services to assist consultants, business owners and even suppliers to meet technical and regulatory requirements of lighting engineering designs. Such industries include residential, commercial, transportation and oil and gas applications. With the addition of Luminance Systems as a lighting product designer, manufacturer and also an OEM manufacturing partner of Philips Malaysia, the Speaker have even further technical product knowledge on what constitutes a quality luminaire that provides a human-centric lighting.

## Credentials

- University of Hertfordshire/Master of Business Administration (MBA)
- Board of Engineers Malaysia (BEM)/Graduate Member
- University of Deakin/Bachelor's Degree of Engineering
- The Society of Neuro-Linguistic Programming/Licensed Master Practitioner of NLP
- Financial Planning Association of Malaysia (FPAM)/Certified Financial Planner

## REGISTRATION FORM

# Principle of Lighting Technology and DIALux Hands On

Salutation & Full Name :  
Company Name :  
Designation :  
Office/Mobile No. :  
Email Address: :  
Mailing Address: :

Membership No. :  
(GREM/REHDA)

Participants who have successfully completed the course by attending at least 75% of the 2 days-course will be issued with a Certificate of Attendance from GreenRE.

This technical seminar provides CPD points from GreenRE, IEM, LAM and ST.

## Payment Information

**Early Bird (before 10<sup>th</sup> November 2019):**

Member (REHDA/GREM) – RM 799.00

Non-Member – RM 1199.00

**Normal Fee:**

Member (REHDA/GREM) – RM 899.00

Non-Member – RM 1299.00

Course fee is subject to 6% SST (SST No.: B16-1809-32000727). Bank drafts of cheque should be crossed and made payable to “GreenRE Sdn Bhd”. The cheque/cash can be deposited to GreenRE’s Public Bank account no. 3182 978 625 and please email the registration form and bank in slip to [training@greenre.org](mailto:training@greenre.org).

## Notes

1. Upon confirmation of registration and payment, the electronic confirmation will be sent to your email.
2. Cancellation will occur no fee but replacement is compulsory. The organizer reserves the right to change the content, venue and date or cancel the event if insufficient minimum target number of participants are met.