

LESSON PLAN

DIALux evo 10.0 – level 1: for beginners (14h00)

0 - Prerequisites

Have basic notions in lighting, CAD, visualization in space.

I - The objectives of training action



Know how to size an energy-efficient lighting installation according to the photometric requirements and technical characteristics of the devices implemented.

Creation of a 3D model of the illuminated room.

Know how to install and choose the luminaires.

Understand photometric information.

Calculate and edit simulation results on indoor and outdoor scenes and interface in BIM with IFC (v2x3).

II - The program

1. Reminder on the basics of lighting, corrected by the screening assessment MCQ (2h00)
2. First step in DIALux evo, the start screen (15min)
3. Discovery of the workspace, tools and features (15min)
4. Creation of the interior and exterior lighting project (4h00)
 - A – Creating a project (import dwg/dxf/raster image)
 - B – Creation of lighting scenes
 - C – Application of textures and colors (use of existing textures and creation)
 - D – Selection and installation of luminaires according to photometric files (.ies, ldt, uld...)
 - E – Calculation reports (publication and reading of results)
5. Additional features and answers to questions (30min)
6. Evaluation on project (3h00)



7. Calculation surfaces and UGR (30min)
8. Lighting outdoor space / publishing and creation of movable objects (1h45)
9. Interface with BIM (1h30)
10. Assessment and evaluation (15min)

III - Pedagogical, technical and supervisory means

A course material will be distributed to the participants with examples and application exercises at the different stages of the project creation.

A trainer for a maximum group of 5 trainees allowing a personalized follow-up.

IV - Means of monitoring the implementation of the action and assessing its results

Attendance sheet and individual evaluation of each participant, in continuous control, of the different chapters addressed.

