LIGHTING DESIGN CALCULATION AND RENDERING SOFTWARE.
SOFTWARE FOR 3D RECONSTRUCTION OF STRUCTURES VIA PHOTOGRAMMETRY, INCLUDING DRONE-SUPPORTED METHODS

From May 12 to May 16, 2025

Essential for lighting designers, but also highly recommended for architects and engineers working at both architectural and urban scales, photometric calculation using advanced lighting simulation software ensures the designer's independence from lighting manufacturers and suppliers. It allows for an autonomous evaluation and selection of lighting solutions best suited to specific technical and expressive needs.

Target participants

Professionals in the field, architects, engineers, installers, and technical promoters. A basic understanding of technical physics and lighting fundamentals is required. For those wishing to refresh their foundational knowledge, an optional lesson is available on the morning of Saturday, May 10 (upon request).

Venue: Faculty of Architecture, Via Gianturco 2, Room G22

Monday, May 12 9:30 AM - 12:30 AM/ 1:30 PM – 5:30 PM

Diana Verde- Architect and Lighting Designer

Susanna Verde- Architect and Lighting Designer, MLD Master Internship Coordinator

- Introduction to lighting calculation software

- Dialux evo for indoor and outdoor lighting calculations: software interface, main commands, 3D modeling, photometric data input, light scene management, calculation surfaces, rendering export, and output configuration

- 1st practical exercise

Tuesday, May 13 9:30 AM - 12:30 AM / 1:30 PM – 5:30 PM

Diana Verde- Architect and Lighting Designer

Susanna Verde- Architect and Lighting Designer, MLD Master Internship Coordinator

- Dialux evo for outdoor lighting: constructing and managing an exterior scene (monument, square, or urban park) using simplified elements or imported 3D models

- 2nd practical exercise

- Dialux evo for urban and street lighting: regulatory standards, roundabout lighting, street lighting module

- 3rd practical exercise

Wednesday, May 14 9:30AM – 12:30 AM/1:30 PM – 4:30 PM

Diana Verde- Architect and Lighting Designer

Susanna Verde- Architect and Lighting Designer, MLD Master Internship Coordinator

- DIALux evo software for indoor and outdoor lighting calculations (Simulation and management of natural light, emergency lighting, energy consumption, and LENI calculation)

- 4th practical exercise

- DIALux evo software for indoor and outdoor lighting calculations (Simplified design and basic interior lighting design)

- 5th practical exercise

Thursday, May 15 9:30 AM - 12:30 AM / 1:30 PM - 5:30 PM

Diana Verde- Architect and Lighting Designer

 Susanna Verde- Architect and Lighting Designer, MLD Master Internship Coordinator

- Final workshop

Friday, May 16 9:30 AM - 12:30 AM

Diana Verde- Architect and Lighting Designer

 Susanna Verde- Architect and Lighting Designer, MLD Master Internship Coordinator

- Final workshop

Friday, May 16 1:30 PM - 16:30 AM

Alessandro Grassia- Architect and Lighting Designer

- 3D simulation with Dialux evo- Photogrammetry software for 3D reconstruction of artifacts, including drone-assisted methods

Workshop Details

 Duration: 6 days (May 12–16, 2025)

Location: Faculty of Architecture, Via Gianturco 2, Rome

Schedule: 9:30 AM – 12:30 PM / 1:30 PM – 4:30 PM

Enrollment fee for 1 workshop	€. 700

Discounts are available for participants interested in attending multiple workshops, as outlined in the following table:

Number of workshops	Fee (€.)
2	€.1,250
3	€.1.700
4	€.2.400
5	€.2.950
6	€.3.500
7	€.4.200
8	€.4.900
9	€.5.900

* All those who purchase the 9-unit package will be able to complete the entire training cycle free of charge. **Customized solutions (both in terms of cost and training content) are available for companies wishing to enroll multiple participants in the workshops. A discount equal to the annual membership fee (€70 for individual members) is available for AIDI members. _Registration must be completed by May 10, 2025._ _If you are also interested in attending the optional session, please inform us via email._**

At the end of the workshop, a **certificate of attendance** will be issued to participants who have attended at least 85% of the classes and practical sessions.

CONTACTS

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Director: Professor. Stefano Catucci (Associate Professor of Aesthetics, Sapienza University of Rome)

Academic and Tutoring Coordination: Professor. Marco Frascarolo

Organizational Coordination: Professor. Floriana Cannatelli

Administrative Office

Department of Architecture and Design, Sapienza University of Rome

Location: Via Flaminia 359, 00196 Rome

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From May 12 to May 16, 2025

Theory and practical sessions (9:30 AM – 12:30 AM / 1:30 PM – 4:30 PM)

Workshop Registration Form

(to be submitted via email to: mastermld@uniroma1.it)

- Name
- Surname
- Nationality
- Date of Birth
- Place of Birth
- Tax Code
- Postal Address
- City
- Postal Code
- Country
- Office Phone
- Mobile
- Fax
- Email
- Native Language
- Other Languages Known
- Degree
- Student ID Number

- **Bank Transfer Details**

- **UNICREDIT SPA – Sapienza University Treasury, Branch 153**

- **Account Holder: Università degli Studi di Roma "La Sapienza" – Dipartimento di Architettura e Progetto (1331)**

- **IBAN: IT42K0200805227000401386491**

The Department, as the data controller, informs you that the collected data will be processed for sending information about courses or public initiatives. You have the rights under Article 13 of Law 675/96. The undersigned confirms the accuracy of the provided data and consents to its processing for workshop-related operations and promotional purposes by Sapienza University of Rome.

DATE

SIGNATURE