

**Title: DESIGN AND RESEARCH ABOUT LIGHTING FIXTURES
A CASE STUDY OF OUTDOOR LIGHTING SYSTEM DEVELOPED AT THE LABORATORIO
LUCE, MILAN: PLUS FAMILY - WS05**

Lecturer: Dr. Daria Casciani

- Research Fellow at Politecnico di Milano
Design Department Laboratorio Luce
- PhD in Lighting Design, Politecnico di Milano,
Design Department
- Industrial Designer



Length: 3 hours

Headlines:

- LEDS BASED LIGHTING FIXTURE NEWS:
WHAT HAVE WE FACED: LESSON LEARNED
UPCOMING RESEARCH TOPICS WITH LEDS LIGHTING FIXTURES
- DESIGN AND RESEARCH METHODOLOGY:
EXPERIMENTAL DESIGN THROUGH MAKING APPROACH
FROM VIRTUAL SIMULATION TO REALIZATION AND TESTING
- CASE STUDY:
OUTDOOR LIGHTING EXAMPLES: PLUS FAMILY

Target Audience:

- Lighting Fixture Designers
- Lighting Designers
- Industrial Designers
- Architects

Educational Prerequisites:

- Basic knowledge of LEDs working systems and illuminating engineering (luminous flux, luminance, luminance, inverse-square law, etc.)

Venue: Olympic Hotel

No. of Participants: 25

References:

- M. Rossi, Musante F., Casciani D., Fumagalli S. (2013) PLUS, Public Lighting Unit System, Lux Europa, Polski Komitet Oświetleniowy SEP Kraków
- Casciani D., Musante F., Paleari D., Rossi M. (2012), Analysis of Three Projects to Optimize the Design of Street Lights, p. 156-167,