

COURSE AND WORKSHOP IN

Lighting Design for Cultural Heritage: LED and new technologies

V EDITION



AWARDING BODY

Laboratorio LUCE

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MANAGEMENT

Poli.Design consortium
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DURATION

Course: 8 hours
Workshop: 36 hours

PERIOD

Course: 17/02/2015
Workshop: 18/02 - 06/03, 2015

COURSE TEACHERS

Danilo Paleari

(Studio Quantis)

Massimiliano Scaletti

(ERCO)

Pietro Palladino

(Studio Ferrara - Palladino e Associati)

WORKSHOP TEACHERS

Pietro Palladino

(Studio Ferrara - Palladino e Associati)

Cinzia Ferrara

(Studio Ferrara - Palladino e Associati)

CREDITS - C.F.P.

Professional credits will be released by the Architect's order.
info about the credits:
formazione@polidesign.net

REGISTRATION FEE

Cost of the course (8 hours) is 180€ + IVA. Cost of the Workshop (36 hours) is 450€ + IVA. Course and Workshop can be purchased individually. For registration details and more information on the contents: lab.luce@polimi.it. Discount of 10% for members of AIDI, APIL, ASSODEL and ASSOLUCE.

LANGUAGE

Course and Workshop will be held in Italian language with a direct translation service and the support of a bilingual tutor.

COURSE CONTENT

As part of the course, it will be discussed the types of LEDs for cultural heritage (light source types commonly used, characteristics to be controlled when selecting a LED product). Link between efficiency and color rendering. Advantages in using them in terms of the absence of UV and IR radiation. Characteristics of products on the market today in terms of light output, light distribution, CCT. Comparison of retrofit solutions and dedicated products. Description of current CRI index and limits of this system compared to some types of LED sources. Overview of the

various color rendering index proposed in the literature as a function of different design applications.

Products and technologies to illuminate cultural heritage. The museum container: features and precautions. Designing the light for the cultural heritage.

WORKSHOP CONTENT

The workshop aims to introduce contents and analysis on issues related to lighting design of in the cultural heritage, through the development of a hypothetical project on a case study. Lighting of cultural heritage is one of the area's most challenging and complex for lighting designers because of the multiplicity of objectives that should be pursued in the project. The protection and preservation of the goods, with special attention to the works of art, have as main design constraints defined by specific technical standards. At the same time there is the need of the exhibition of the work, the monument, the object or artifact, in the manner and with the means suitable for the correct visual, perceptual and cognitive fruition. The design workshop aims to

deepen and develop the theme of lighting for cultural heritage considering the variety of places where the exhibition design are made in a space existing museum assumed as field of intervention. For the purposes of a successful participation in the workshop it will be required that participants' have basic knowledge of lighting design.

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