



1. Basics concepts in lighting

1. Magnitudes used in lighting.
2. Lamps: types and characteristics.
3. Lamps: applications and commercial models.
4. Luminaries: basic concepts and characterization.
5. Luminaries: classifications, types and applications.
6. Auxiliary equipment.

2. Energy efficiency in internal lighting installations

1. Design criteria for an inside installation.
2. Regulations: Technical Building Code.
3. Control systems in indoor facilities.
4. Design Tools for lighting installations.
5. Case 1: Proposal to improve lighting at the Conservatory of Music "Mestre Tàrraga" in Castelló.
6. Case 2: Proposal to improve lighting in the sports hall "Ciutat Esportiva" in Castelló.

3. Energy efficiency in public lighting installations

1. Design criteria for an installation of street lighting.
2. Regulations: Regulation of energy efficiency.
3. Remote management and control systems in public lighting.
4. Switchboard from streetlights.
5. Audit of a public lighting installation.
6. Case 1: Improved street lighting in municipalities.
7. Case 2: Comparative study of solutions in an urban road.