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Title of Thesis: Relation of Activities with lighting design and its effect on Urban Spaces perception "Especial study on the Parks and 'social and sports' club "

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ABSTRACT

The thesis is concerned with the study of lighting design within open urban spaces, which is one of the important topics, especially for sports and social clubs in Egypt, within the various spaces within them, which require control of their lighting design to achieve the highest lighting efficiency for the activities practiced by users in these clubs, which vary between children's games and active activities. Such as running, sports, etc., and inactive activities such as sitting, waiting, exchanging talk, and others. These activities are practiced in the different spaces of the clubs according to the possibilities available in each space to practice activities in themselves and according to the general design of the spaces of the club and their relationship to each other, where the activities practiced in the seating areas vary. It contains tables, chairs and shade units for the activities practiced in children's play areas as well as in the corridors and movement paths, and the different elements of the site coordination of plants, trees and other aesthetic or organizational elements affect the places of some lighting units and their design and providing lighting inside these places in different ways gives different possibilities as well For the measured luminance intensity across different vacuum points.

The study analyzed the methods of lighting design in these spaces and studying some of the ways of distributing it among the different lighting units used in them. Observations and recommendations for lighting design in open urban spaces in Egypt were deduced with reference to the activities practiced in them and the elements of site coordination used during it.