

## EFFICIENCY OF ARTIFICIAL LIGHTING FOR VISUAL PERCEPTION OF HISTORICAL FAÇADE

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### ABSTRACT

Light distinguishes the physical configuration of a historical monument facade and highlights its features. It evokes the sensory, aesthetic and perceptual aspects felt by the recipient when looking at the facade as well as it functions as a vision element; as it evokes a set of sensory meanings that are considered as indicators and signs relating to time and place, being a historical monument that represents a civilization of a certain period of time.

The research consists of two aspects as follows. The first aspect is the theoretical aspect which outlines the importance of light in visual communication between the recipient and the historical facade. The research also studies the effect of lighting properties on highlighting historical monuments.

The second aspect is the practical aspect of the study which includes choosing models (case studies) from some historical buildings in Jordan to study the effect of Artificial lighting properties variables that were addressed by the research in the theoretical aspect, on the historical monument facade of these models and determining the effect of these variables on enriching the sensory and artistic aspects reflected by the structure of that historical monument.

The research problem was the absence of a study and application of the effect of artificial light variables on the facades of some historical buildings in Jordan, which affects the visual communication between the historical monument and the recipient at night.

The research aims to figure out the effect of light variables on highlighting aesthetic values of architectural elements in the chosen historical building facades in Jordan.

**Keywords:** Historical Building Facade - Visual Perception - Artificial Light -Touristic buildings in Jordan.