

Design patterns of traditional natural lighting in Interior Design and Islamic architecture

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Abstract:

In addition to the most important functional and aesthetic issues complementing the interior design is the availability of good and comfortable lighting sources that are commensurate with the space and architectural space and are integrated with the prevailing architecture and harmony with it and the formation of engineering buildings as an architectural block that affects the permeability and perception of light in the interior space, and these patterns have confirmed their cohesion with the architectural mass to find the rhythm And harmony between the interior and exterior, "finding space or inner space is the first and last purpose of the building, so each building begins with the design first, and ends with the allocation of space in the vacuum, which is of course the reason for the existence of this building. Lighting is an important component of carrying out life activities within architectural spaces, so each activity in life depends on the level of lighting in a vacuum. This level varies according to activities and the interior space. The pursuit of lighting spaces in a manner consistent with the functional and aesthetic dimensions of Islamic interior design is one of the topics worthy of research and study, where it is possible to create lighting patterns in modern interior design by following the principles of lighting used in Islamic architecture, as natural and industrial lighting patterns have functional and aesthetic goals . Lighting tools are as old as the emergence of human civilizations. The primitives needed lighting for the darkness, and the lighting tools industry flourished in Islamic Egypt and developed according to the general development of existing technologies on the one hand, and the development of installations and purposes.

These tools are used on the other hand. The archaeological evidence is full of historical sources, as well as many data on the development of these tools.

The importance of this research lies in studying the effect of traditional lighting patterns used in Islamic architecture on lighting for interior spaces, and how to influence the composition and structure of modern and contemporary spaces by studying the impact of these patterns in controlling the amount and efficiency of natural and industrial lighting in a vacuum through an analytical study of one of these Styles.

Key words:

design patterns, traditional natural lighting, architecture, interior design, Islamic art