Light Patterns in Architecture



Light Patterns in Architecture





Light Fixture Specifications: Method of Mounting · Method to make **Electrical Connection** Housing • Lamp Lamp Socket Decorative Lens or Shielding or Optics ۲ Support Arms or Stem Locking Mechanism Way to access the lamp Ballast or Transformer Aperture Trim & Flange



























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Basic Lighting Design



provides an area with overall illumination. Also known as ambient lighting, general lighting radiates a comfortable level of brightness, enabling one to see and walk about safely.

General or Ambient lighting

Task Lighting or Lighting at the Work

plane helps you perform specific tasks such as reading, sewing. cooking, homework, hobbies, games, or balancing your checkbook

Accent Light or Highlighting

adds drama to a room by creating visual interest. As part of a decorating scheme, it is used to spotlight paintings, houseplants, sculpture, and other prized possessions, or to highlight the texture of a wall, drapery or outdoor landscaping.

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Luminance Patterns

Specific luminous patterns have a consistent and definable effect on an occupants' subjective impression of a space.

Designers can use these patterns to create spaces which are appropriate for the intended use. Each pattern reveals its opposite as well: for example, to make a space seem more public, a designer can look at the criteria fro making a space seem private and do the opposite.

- Spaciousness / Confinement
- Visual Clarity / Haziness
- Relaxation / Activation
- Private/ Public

Luminance Patterns

Privacy:

Privacy is light being in the shadows. Lighting patterns which are overall low, non-uniform, and darker zone of the occupant than in the surroundings will reinforce an impression of privacy. Vertical rather than horizontal surfaces should be lit.



Low brightness in area of



Luminance Patterns

Relaxation:

Relaxation also implies non-uniform lighting, with non-uniform wall lighting contributing to this impression. Warm color sources contribute to a relaxing feeling. Aspects of the patterns for relaxation can be effectively combined with those for visual clarity to create effective and comfortable work environments





Luminance Patterns

Visual Clarity:

Visual clarity refers to the crispness and distinctness of the visual environment, rather than how well a task can be seen. Visual clarity is reinforced by shadows, by emphasis on horizontal surfaces such as the work plane and the ceiling, and by higher luminous in the center of the room.





Luminance Patterns

Spaciousness:

Relatively bright ceilings and wall are particular importance to reinforce a sense of spaciousness. Uniform illumination also helps make the room feel spacious.























































Fixtures Inside and Out Underwriters Laboratory Testing Dry Applications Damp Applications Wet Applications Wet/Dry Applications Underwater Applications Corrosive Applications Hazardous Applications

