



Lighting Considerations for Medical Spaces

General Considerations for Lighting in Medical Environments





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intentional medical interior design.



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Core Values for Lighting in Healthcare Environments

Performance

Optimal lighting for clinics, hospital, and home care settings to promote productivity resulting in higher standards of care.

Efficiency

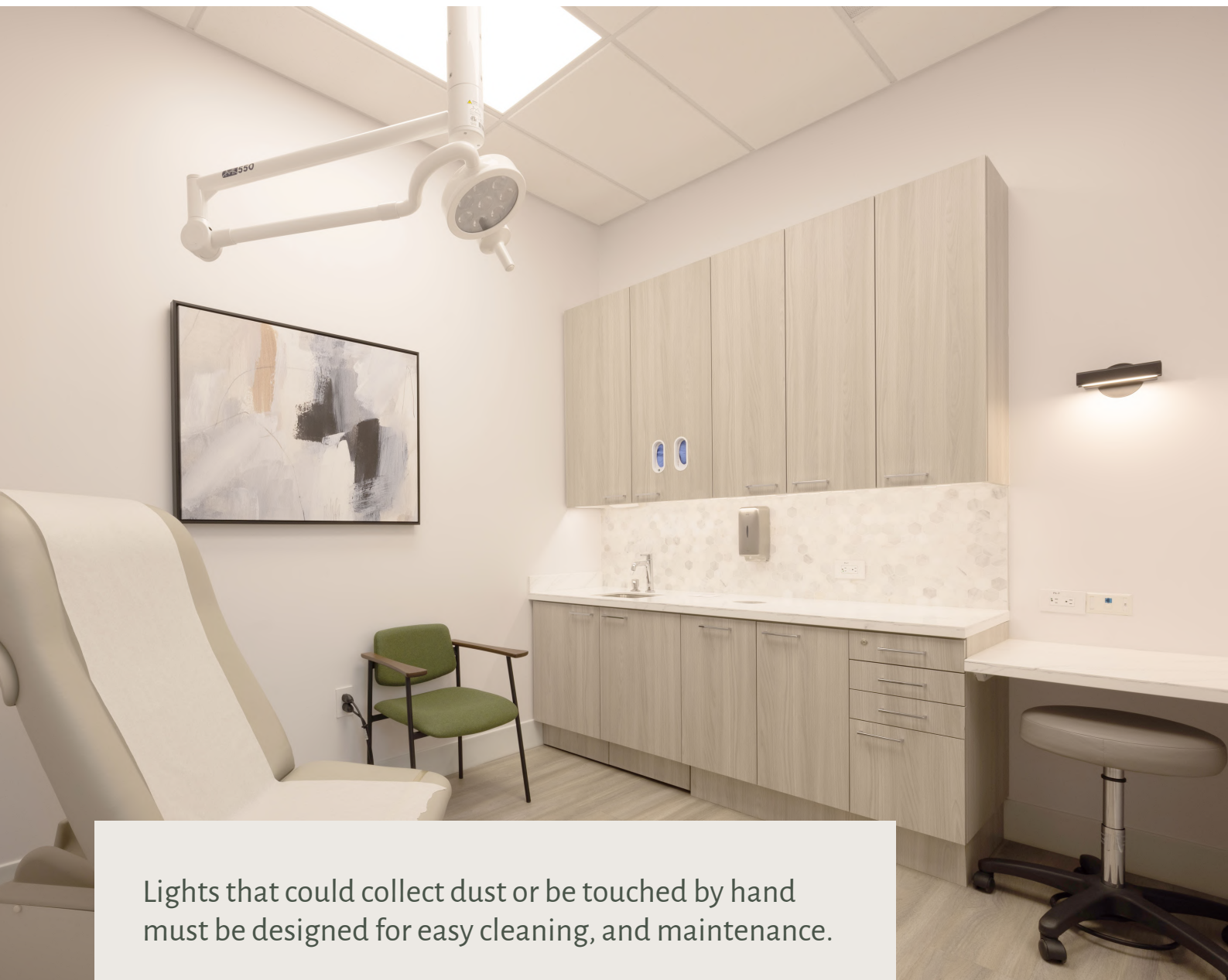
Proper lighting means less energy consumption, and better utilization of lights all throughout your space.

Comfort

Lighting can influence mood and concentration. It can be used to promote comfort and warmth, and evoke a sense of reassurance for the well-being of your patients.



Fundamental Lighting Requirements in Healthcare Facilities




Lights that could collect dust or be touched by hand must be designed for easy cleaning, and maintenance.

Diagnosis and treatment areas must have lights that render true and consistent color rendering.

For non-diagnosis or non-treatment areas, color rendering can be reduced. However, take into account that no lamps of different color renderings must be placed within the same space.



Healthcare spaces would normally have 4000K lamps. However, color temperature can be adjusted for settings where you want to entice a comfortable atmosphere for a homey feel. Yellow lighting can affect the results of the skin tone so it's best to have color options in the space.

A photograph of a modern medical examination room. It features a large, adjustable medical table in the center, a sink and counter area with wooden cabinets on the right, and a framed abstract artwork on the left wall. The room has a clean, minimalist design with light-colored walls and a wooden floor.

Yellow lighting can affect the results of the skin tone.

Critical areas such as Operating Rooms, Delivery Rooms, and high dependency units must have standby lighting that amounts to at least 90% of the normal, main luminaires.

For non-critical areas, standby lighting can be reduced to at least 50% of normal level.



Lighting Fundamentals

Corridors and circulation areas must be kept well-lit to enhance signages and wayfinding cues in flooring or other applications.

Use vertical lighting for reception areas for a warm and welcoming feel.

Provide lighting with good luminance control in Nurse Stations to support tasks and reduce computer glare. Dimming control would be helpful for nurses/staff to reduce illuminance at night.





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