

Energy Estimation and Audit

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Home Assignment - 4

16) Explain the lighting terminology in detail.

Lighting terminology encompasses a variety of terms related to the study and application of artificial and natural lighting. Understanding these terms is essential for effective design, installation, and usage of lighting system.

- 1) Lumens
- 2) Lux
- 3) Foot Candle
- 4) Color temperature
- 5) CRI (Color Rendering Index)
- 6) Illuminance
- 7) Luminous Efficacy
- 8) Beam Angle
- 9) Light Distribution
- 10) Dimming
- 11) Lumen maintenance
- 12) Glare
- 13) Flicker
- 14) Lighting Control System.

Q2) Discuss the principles of Effective Lighting design.
Effective lighting design is crucial for Enhancing the functionality, aesthetic and Comfort of a Space.

- 1) Purpose and Functionality.
- 2) Balance and Harmony
- 3) Color Temperature and Color Rendering
- 4) Energy Efficiency.
- 5) Safety and Security
- 6) Adaptability.
- 7) Integration with Architecture
- 8) Sustainability
- 9) User Comfort and well-being
- 10) Testing and Evaluation.

A thoughtful approach to lighting design not only Enhances the user Experience but also Contributes to the overall ambience and Sustainability of a Space.