

# Interior Architecture: Developing Lighting Plans and Specifying Fixtures

## Part 1: Dialogue

**Sophia (Interior Architect):** We need to refine the **ambient lighting** scheme for the hotel lobby. Have you reviewed the initial plan?

**Ethan (Colleague):** Yes, but I think we should add recessed fixtures for a softer glow. It will create a warm and inviting atmosphere.

**Sophia:** That makes sense. We also need to focus on **task lighting** in functional areas like the check-in desk.

**Ethan:** Agreed. Pendant lights above the desk will provide direct illumination without glare.

**Sophia:** Perfect. Let's check the **lumen output** to ensure we have the right brightness level for each zone.

**Ethan:** I'll calculate the required lumens based on the space dimensions and usage.

**Sophia:** Great. We also need to decide on the **fixture mounting type** for the lounge area.

**Ethan:** Wall sconces could work well there, adding both style and functionality.

**Sophia:** Good idea. Lastly, should we integrate **dimming controls** to allow for adjustable lighting?

**Ethan:** Absolutely. It will help create different moods throughout the day.

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## Part 2: Comprehension Questions

1. What is the purpose of **ambient lighting** in interior spaces?
  - (A) To highlight specific objects
  - (B) To provide overall illumination

- (C) To create high-contrast shadows  
(D) To eliminate all other lighting sources
2. Why is **task lighting** important in functional areas?  
(A) It enhances decorative appeal  
(B) It replaces all other lighting types  
(C) It is only necessary in residential spaces  
(D) It provides focused illumination for specific tasks
3. What does **lumen output** measure?  
(A) The direction of light  
(B) The heat emitted by a light source  
(C) The color of a light fixture  
(D) The brightness level of a light source
4. Why are **dimming controls** useful in lighting design?  
(A) They reduce the need for any lighting fixtures  
(B) They eliminate shadows entirely  
(C) They are only used in emergency lighting  
(D) They allow for adjustable lighting levels based on different needs
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### Part 3: Vocabulary with Definitions

- **Ambient lighting (間接照明)** – General, overall lighting that provides basic illumination to a space.
- **Task lighting (作業照明)** – Focused lighting designed to assist with specific activities such as reading or working.
- **Lumen output (ルーメン出力)** – A measure of the total amount of visible light emitted by a source.

- **Fixture mounting type (照明器具の取付けタイプ)** – The method by which a lighting fixture is installed (e.g., recessed, pendant, or wall-mounted).
  - **Dimming control (調光制御)** – A system that allows users to adjust the brightness of lighting fixtures.
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#### Part 4: Answer Key

1. **What is the purpose of ambient lighting in interior spaces?**  
 (B) To provide overall illumination.
2. **Why is task lighting important in functional areas?**  
 (D) It provides focused illumination for specific tasks.
3. **What does lumen output measure?**  
 (D) The brightness level of a light source.
4. **Why are dimming controls useful in lighting design?**  
 (D) They allow for adjustable lighting levels based on different needs.