

GUIDE TO LIGHTING DESIGN



LIGHT WELL LIVE WELL

LIT

LUXURY INTEGRATED TECHNOLOGIES

01. CONSULTATION



Light Well Live Well meets with the clients to understand their needs, preferences, and the purpose of the space. This consultation helps gather information about the project goals, budget, timeline, and any specific requirements.

02. CONCEPT DEVELOPMENT

Based on the client's input, Light Well Live Well develops a conceptual lighting plan. This includes considering the desired ambiance, functionality, and aesthetics of the space. Light Well Live Well may create sketches, 3D renderings, or use lighting simulation software to visualize the proposed lighting design.



LIGHTING PLAN

03.

Once the concept is approved, Light Well Live Well creates a detailed lighting plan. This plan includes fixture locations, types of fixtures, light levels, color temperature, control systems, and any other technical specifications. It may also consider natural lighting and daylight integration.

FIXTURE SELECTION

04.

Light Well Live Well assists in selecting appropriate lighting fixtures that align with the design concept and meet the project requirements. Factors such as efficiency, lifespan, color rendering, and compatibility with control systems are considered during this stage.

The Importance of

QUALITY FIXTURES

UNDERSTANDING THE ESSENTIALS

CRI (COLOR RENDERING INDEX)

What Is It?

CRI measures how accurately colors are rendered under a light source compared to natural sunlight, which has a CRI of 100.

Why it Matters:

Lower CRI values result in dull or distorted colors, making textures and finishes appear less vibrant. High-CRI lighting, such as 90+ CRI fixtures, ensures that every detail and hue in your space is displayed authentically.

CCT (CORRELATED COLOR TEMPERATURE)

What Is It?

CCT measures the color temperature of light in Kelvin (K).

- Cool Temperatures (5000K+): Ideal for task-oriented spaces like kitchens and offices, where a bright, energizing effect is desired.
- Warm Temperatures (2700K-3000K): Perfect for relaxing environments such as living rooms or bedrooms, creating a cozy and inviting ambiance.

Why it Matters:

The right color temperature enhances functionality and mood, tailored to the specific purpose of each space.



CRI 90:
Excellent

CRI 80:
Good

CRI 50-70:
Fair



WARM DIM AND CIRCADIAN RHYTHM

What Is It?

Warm dim technology mimics the natural progression of sunlight by shifting from cool tones during the day to warm tones in the evening.

Why it Matters:

This supports your body's circadian rhythm, improving sleep quality, mood, and overall well-being by aligning artificial lighting with your natural biological clock.

BINNING (MACADAM ELLIPSE)

What Is It?

Binning refers to the consistency of color and brightness across multiple light sources. A 1-2 Step Macadam Ellipse ensures minimal variation between fixtures.

Why it Matters:

Poor binning (higher step ratings) results in noticeable differences in light quality, disrupting the harmony of your space. High-quality fixtures maintain uniformity, enhancing the overall aesthetic.



Quality lighting ensures your space is shown in its best light, enhancing every finish, texture, and detail. The quality of the light must match the quality of the space and its finishes.

05 ENERGY EFFICIENCY

In line with sustainability goals, Light Well Live Well focuses on optimizing energy efficiency by using energy-saving fixtures, incorporating lighting controls (such as dimmers, sensors, or timers), and maximizing natural light whenever possible.

06 DOCUMENTATION

Light Well Live Well prepares detailed documentation, including lighting layouts, fixture specifications, wiring diagrams, control system diagrams, and any other relevant information. This documentation helps during the installation phase.



COLLABORATION

07

Throughout the process, Light Well Live Well collaborates with other professionals involved in the project, such as architects, interior designers, electrical engineers, and contractors. Coordination ensures a cohesive integration of lighting design with the overall project.

